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MD880 (LC)-20 Series Basic Rectifier

Parameter Guide

Industrial Automation | Intelligent Elevator | New Energy Vehicle | Industrial Robot | Rail Transit

Data code 19012701A00

Preface

Introduction

The MD880 (LC)-20 series basic rectifier targets at high-end drive applications and features high performance speed and torque control,
high reliability, flexible system integration, easy commissioning and maintenance, and high power density. It is
widely applied in industries including metallurgy, paper-making, port machinery, large-scale cranes, vessels, and cables.

More Data

Name	Data Code	Description
MD880 (LC)-20 Series Basic Rectifier Function Guide	19012613	Presents function application and troubleshooting of the products.
MD880 (LC)-20 Series Basic Rectifier Commissioning Guide	19012700	Presents commissioning tools, process, commissioning procedure, and related parameters.
MD880 Series AC Drive Communication Guide	19012451	Presents communication, specification, networking, and communication configuration of the product.
MD880 (LC)-20M Series Basic Rectifier Hardware Guide	19011723	Presents system structure, technical specification, components, dimensions, options (installation accessories, cables, and electrical peripherals), and standards compliance.
MD880 (LC)-20 Series Basic Rectifier Installation and Maintenance Guide	19011722	Presents pre-installation preparation, unpacking and handling, mechanical installation, electrical installation, routine maintenance, and parts replacement.
MD880-20 Series Basic Rectifier Hardware Guide	19011491	Presents technical specifications, components, dimensions, mechanical installation, electrical installation, routine maintenance, and parts replacement.

Revision History

Date	Version	Software version	Description
2025-05-30	A00	Version:A00 Version Tag:A2-08=411.04/A2-	First release

		09=000.00/A2- 10=411.01/A2- 11=000.00	

Access To the Guide

This guide is not delivered with the product. You can obtain the PDF version in the following ways:

Do keyword search under Service and Support at www.inovance.com.

Scan the QR code on the product with your smart phone.

Scan the QR code below to install My Inovance app, where you can search for and download user guides.

Warranty

Inovance provides warranty service to the equipment within the warranty period (as specified in the order) for failure or damage that occurs under normal use. When the warranty period expires, reasonable maintenance fee will be charged.

Within the warranty period, maintenance fee will be charged for the following damage:

Damage caused by operations not following the instructions in the user guide.

Damage caused by fire, flood, or unusual voltage.

Damage caused by unintended use of the product.

Damage caused by use beyond the specified scope of application of the product.

Damage or secondary damage caused by force majeure (natural disaster, earthquake, and lightning strike).

The maintenance is charged according to the latest Price List of Inovance. If otherwise agreed upon, the agreed terms and conditions shall prevail.

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1 Parameter List

A0 Status monitoring

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A0-00	Current state machine	32768	-	-	-	UInt16	1	N/A	General user	In real time
A0-01	Soft start status	33935	-	-	-	UInt16	1	N/A	General user	In real time
A0-02	Bus voltage	33936	-	V	-	UInt16	0.1	N/A	General user	In real time
A0-03	Grid voltage	33929	-	V	-	UInt16	0.1	N/A	General user	In real time
A0-04	Grid frequency	33930	-	Hz	-	UInt16	0.01	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A0-05	Grid current	33932	-	A	-	Int16	1	N/A	General user	In real time
A0-09	Power	33931	-	kVA	-	Int16	1	N/A	General user	In real time
A0-11	Three-phase imbalance degree	33934	-	%	-	UInt16	0.1	N/A	General user	In real time
A0-12	Maximum temperature of power unit	32776	-	℃	-	Int16	1	N/A	General user	In real time
A0-16	Exception prompt type	34298	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

A0-17	Exception information source	34299	-	-	-	UInt16	1	N/A	General user	In real time
A0-18	24 V detection voltage at HCU control board terminal	34831	-	V	-	UInt16	0.001	N/A	General user	In real time
A0-19	15 V detection voltage inside HCU control board	34832	-	V	-	UInt16	0.001	N/A	General user	In real time
A0-20	Detected temperature of the HCU control board	36335	-	°C	-	Int16	1	N/A	General user	In real time

A1 Faults and alarms

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A1-00	Current fault code 1	32777	-	-	-	UInt16	1	N/A	General user	In real time
A1-01	Subcode of current fault code 1	32778	-	-	-	UInt16	1	N/A	General user	In real time
A1-02	Current fault code 2	32779	-	-	-	UInt16	1	N/A	General user	In real time
A1-03	Subcode of current fault code	32780	-	-	-	UInt16	1	N/A	General user	In real time

	2									
A1-04	Current fault code 3	32781	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A1-05	Subcode of current fault code 3	32782	-	-	-	UInt16	1	N/A	General user	In real time
A1-06	Current fault code 4	32783	-	-	-	UInt16	1	N/A	General user	In real time
A1-07	Subcode of current fault code 4	32784	-	-	-	UInt16	1	N/A	General user	In real time
A1-08	Current fault code 5	32785	-	-	-	UInt16	1	N/A	General user	In real time
A1-09	Subcode of current fault code 5	32786	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A1-10	Current fault code 6	32787	-	-	-	UInt16	1	N/A	General user	In real time
A1-11	Subcode of current fault code 6	32788	-	-	-	UInt16	1	N/A	General user	In real time
A1-12	Current minor fault code 1	33795	-	-	-	UInt16	1	N/A	General user	In real time
A1-13	Subcode of current minor	33796	-	-	-	UInt16	1	N/A	General user	In real time

	fault 1									
A1-14	Current minor fault code 2	33797	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A1-15	Subcode of current minor fault 2	33798	-	-	-	UInt16	1	N/A	General user	In real time
A1-16	Current minor fault code 3	33799	-	-	-	UInt16	1	N/A	General user	In real time
A1-17	Subcode of current minor fault 3	33800	-	-	-	UInt16	1	N/A	General user	In real time
A1-18	Current minor fault code 4	33801	-	-	-	UInt16	1	N/A	General user	In real time
A1-19	Subcode of current minor fault 4	33802	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A1-20	Current minor fault code 5	33803	-	-	-	UInt16	1	N/A	General user	In real time
A1-21	Subcode of current minor fault 5	33804	-	-	-	UInt16	1	N/A	General user	In real time
A1-22	Current minor fault code	33805	-	-	-	UInt16	1	N/A	General user	In real time

	6									
A1-23	Subcode of current minor fault 6	33806	-	-	-	UInt16	1	N/A	General user	In real time
A1-24	Current alarm code 1	32789	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A1-25	Subcode of current alarm 1	32790	-	-	-	UInt16	1	N/A	General user	In real time
A1-26	Current alarm code 2	32791	-	-	-	UInt16	1	N/A	General user	In real time
A1-27	Subcode of current alarm 2	32792	-	-	-	UInt16	1	N/A	General user	In real time
A1-28	Current alarm code 3	32793	-	-	-	UInt16	1	N/A	General user	In real time
A1-29	Subcode of current alarm 3	32794	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A1-30	Current alarm code 4	32795	-	-	-	UInt16	1	N/A	General user	In real time
A1-31	Subcode of current alarm 4	32796	-	-	-	UInt16	1	N/A	General user	In real time
A1-32	Current alarm code 5	32797	-	-	-	UInt16	1	N/A	General user	In real time
A1-33	Subcode of current alarm 5	32798	-	-	-	UInt16	1	N/A	General user	In real time

A1-34	Current alarm code 6	32799	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A1-35	Subcode of current alarm 6	32800	-	-	-	UInt16	1	N/A	General user	In real time

A2 Drive information

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-00	Product type	33941	-	-	-	UInt16	1	N/A	General user	In real time
A2-01	Rated power of the module	32868	-	kW	-	UInt16	0.1	N/A	General user	In real time
A2-02	Rated voltage of the module	32869	-	V	-	UInt16	1	N/A	General user	In real time
A2-03	Rated current of the module	32870	-	A	-	UInt16	0.1	N/A	General user	In real time
A2-04	Total rated power of the device	34118	-	kW	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-05	Total rated device current	34119	-	A	-	UInt16	1	N/A	General user	In real time

A2-07	HCU software type	34017	-	-	-	UInt16	1	N/A	General user	In real time
A2-08	HCU-MCU function software version	32871	-	-	-	UInt16	0.01	N/A	General user	In real time
A2-09	Sub-version of HCU-MCU function software	34121	-	-	-	UInt16	0.01	N/A	General user	In real time
A2-10	HCU-MCU performance software version	33942	-	-	-	UInt16	0.01	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-11	Sub-version of HCU-MCU performance software	34120	-	-	-	UInt16	0.01	N/A	General user	In real time
A2-13	Function diagram version	36808	-	-	-	UInt16	1	N/A	General user	In real time
A2-14	Sub-version of function diagram	36809	-	-	-	UInt16	1	N/A	General user	In real time
A2-16	HCU-FPGA software version	32873	-	-	-	UInt16	0.01	N/A	General user	In real time
A2-18	HINT Type	33984	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

A2-19	HINT software version	32874	-	-	-	UInt16	0.01	N/A	General user	In real time
A2-22	HPCU software version	32875	-	-	-	UInt16	0.01	N/A	General user	In real time
A2-24	Expansion slot 1_1 module type	32876	-	-	-	UInt16	1	N/A	General user	In real time
A2-25	Expansion slot 1_1 software version	32877	-	-	-	UInt16	0.01	N/A	General user	In real time
A2-26	Expansion slot 1_2 module type	32878	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-27	Expansion slot 1_2 software version	32879	-	-	-	UInt16	0.01	N/A	General user	In real time
A2-28	Expansion slot 1_3 module type	32880	-	-	-	UInt16	1	N/A	General user	In real time
A2-29	Software version of expansion slot 1_3	32881	-	-	-	UInt16	0.01	N/A	General user	In real time
A2-30	Expansion slot 2_1 module type	32882	-	-	-	UInt16	1	N/A	General user	In real time
A2-31	Expansion slot 2_1 software version	32883	-	-	-	UInt16	0.01	N/A	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
A2-32	Expansion slot 2_2 module type	32884	-	-	-	UInt16	1	N/A	General user	In real time
A2-33	Expansion slot 2_2 software version	32885	-	-	-	UInt16	0.01	N/A	General user	In real time
A2-34	Expansion slot 2_3 module type	32886	-	-	-	UInt16	1	N/A	General user	In real time
A2-35	Software version of expansion slot 2_3	32887	-	-	-	UInt16	0.01	N/A	General user	In real time
A2-36	Expansion slot 3_1 module type	32888	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-37	Expansion slot 3_1 software version	32889	-	-	-	UInt16	0.01	N/A	General user	In real time
A2-38	Available HCU-FPGA functions	34826	-	-	-	UInt16	1	N/A	General user	In real time
A2-39	Enabled HCU-FPGA functions	34827	-	-	-	UInt16	1	N/A	General user	In real time
A2-40	Available HINT functions	34828	-	-	-	UInt16	1	N/A	General user	In real time
A2-41	Enabled HINT	34829	-	-	-	UInt16	1	N/A	General user	In real time

	functions									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-42	Current year	34836	-	-	-	UInt16	1	N/A	General user	In real time
A2-43	Current date	34837	-	-	-	UInt16	1	N/A	General user	In real time
A2-44	Current time	34838	-	-	-	UInt16	1	N/A	General user	In real time
A2-45	Current second	34864	-	-	-	UInt16	1	N/A	General user	In real time
A2-46	Year of power-on	34839	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-47	Date of power-on	34840	-	-	-	UInt16	1	N/A	General user	In real time
A2-48	Moment of power-on	34841	-	-	-	UInt16	1	N/A	General user	In real time
A2-49	Seconds for power-on	34865	-	-	-	UInt16	1	N/A	General user	In real time
A2-66	HCU-SN serial number value 1	6669	-	-	-	UInt16	1	N/A	General user	In real time
A2-67	HCU-SN serial number value 2	6670	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-68	HCU-SN serial number value 3	6671	-	-	-	UInt16	1	N/A	General user	In real time
A2-69	HCU-SN	6672	-	-	-	UInt16	1	N/A	General	In real

	serial number value 4								user	time
A2-70	HCU-SN serial number value 5	6673	-	-	-	UInt16	1	N/A	General user	In real time
A2-71	HCU-SN serial number value 6	6674	-	-	-	UInt16	1	N/A	General user	In real time
A2-72	HCU-SN serial number value 7	6675	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-73	HCU-SN serial number value 8	6676	-	-	-	UInt16	1	N/A	General user	In real time
A2-74	HCU-SN serial number value 9	6677	-	-	-	UInt16	1	N/A	General user	In real time
A2-75	HCU-SN serial number value 10	6678	-	-	-	UInt16	1	N/A	General user	In real time
A2-76	HCU-SN serial number value 11	6679	-	-	-	UInt16	1	N/A	General user	In real time
A2-77	HCU-SN serial number value 12	6680	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-78	HCU-SN	6681	-	-	-	UInt16	1	N/A	General	In real

	serial number value 13								user	time
A2-79	HCU-SN serial number value 14	6682	-	-	-	UInt16	1	N/A	General user	In real time
A2-80	HCU-SN serial number value 15	6683	-	-	-	UInt16	1	N/A	General user	In real time
A2-81	HCU-SN serial number value 16	6684	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-82	HINT-SN unit selection	36337	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Single module 1: Parallel module 01 2: Parallel module 02 3: Parallel module 03 4: Parallel module 04 5: Parallel module 05 6: Parallel module 06 7: Parallel module 07 8: Parallel module 08 9: Parallel module 09 10: Parallel module 10									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-83	HINT-SN read command	36339	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: No operation 1: Read									
	Description: null									

Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
A2-84	HINT-SN serial number value 1	36340	-	-	-	UInt16	1	N/A	General user	In real time
A2-85	HINT-SN serial number value 2	36341	-	-	-	UInt16	1	N/A	General user	In real time
A2-86	HINT-SN serial number value 3	36342	-	-	-	UInt16	1	N/A	General user	In real time
A2-87	HINT-SN serial number value 4	36343	-	-	-	UInt16	1	N/A	General user	In real time
A2-88	HINT-SN serial number value 5	36344	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-89	HINT-SN serial number value 6	36345	-	-	-	UInt16	1	N/A	General user	In real time
A2-90	HINT-SN serial number value 7	36346	-	-	-	UInt16	1	N/A	General user	In real time
A2-91	HINT-SN serial number value 8	36347	-	-	-	UInt16	1	N/A	General user	In real time
A2-92	HINT-SN serial number value 9	36348	-	-	-	UInt16	1	N/A	General user	In real time
A2-93	HINT-SN	36349	-	-	-	UInt16	1	N/A	General	In real

	serial number value 10								user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-94	HINT-SN serial number value 11	36350	-	-	-	UInt16	1	N/A	General user	In real time
A2-95	HINT-SN serial number value 12	36351	-	-	-	UInt16	1	N/A	General user	In real time
A2-96	HINT-SN serial number value 13	36352	-	-	-	UInt16	1	N/A	General user	In real time
A2-97	HINT-SN serial number value 14	36353	-	-	-	UInt16	1	N/A	General user	In real time
A2-98	HINT-SN serial number value 15	36354	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A2-99	HINT-SN serial number value 16	36355	-	-	-	UInt16	1	N/A	General user	In real time

A4 Power unit control

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A4-00	Maximum	47	-	kHz	3	UInt16	0.01	N/A	General	In real

	allowable carrier frequency								user	time
A4-01	Actual effective carrier frequency	48	-	kHz	3	UInt16	0.01	N/A	General user	In real time
A4-13	DC bus overvoltage threshold	60	-	%	100.0	UInt16	0.1	At stop	General user	In real time
A4-19	Module pre-overtemperature threshold	2913	-	℃	5	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A4-21	Module fan exception detection enable	1628	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Disable 1: Enable Others: B connector									
	Description: null									

A8 Environment setting

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-00	Paramete	33787	Refer to	-	0	UInt16	1	At stop	General	In real

	r reset mode		"Value"						user	time
	Value: 0: Invalid 1: Some parameters restored to default 2: All parameters restored to default 3: Fault log cleared 4: Black box log cleared 5: Log cleared									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-01	Parameter reset	33788	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Cancel 1: OK									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-02	Parameter access level	34064	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Standard parameter 1: Expansion parameter 2: Expert parameter 3: Maintenance parameter									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-03	Manufact	78	-	-	0	UInt16	1	In real	General	In real

	urer password							time	user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-05	Parameter backup function selection	34236	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: None 1: Saved to SD card 2: Restored from SD card 3: Parameter check									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-06	Parameter backup function confirmation	34238	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Cancel 1: OK									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-07	Parameter backup status	34237	Refer to "Value"	-	0	UInt16	1	N/A	General user	In real time
	Value:									

	0：None 1：Saving 2：Saving completed 3：Saving failed 4：Restoring 5：Restoring completed 6：Restoring failed 7：Checking 8：Parameter file error 9：Check succeeded 10：Check failed 11：SD card is busy									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-17	Time statistics reset selection	34842	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：None 1：Reset current time statistics 2：Reset accumulated time statistics 3：Reset all time statistics									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-18	Reset time statistics	34843	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Cancel 1：OK									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-25	Operation mode	36358	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	of password									
	Value: 0: No operation 1: Check the password 2: Cancel the password 3: Set the password									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-26	Entering password for locking parameters	36359	-	-	0	UInt16	1	In real time	General user	In real time
A8-27	Re-enter the password after password setting	36360	-	-	0	UInt16	1	In real time	General user	In real time
A8-28	Password status display upon parameter lock	36361	-	-	-	UInt16	1	N/A	General user	In real time
A8-29	Function status display upon parameter lock	36362	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
A8-30	Parameter lock	36363	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid 1: Valid									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-31	Parameter setting selection after parameter lock	6456	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0-	Device name	0: Settable 1: Non-settable
bit1-	Parameter written through Adapter A mailbox data	0: Yes 1: No
bit2-	Parameter written through Adapter B mailbox data	0: Yes 1: No
bit3	Reserved	0: Settable 1: Non-settable
bit4-	Reserved	0: Settable 1: Non-settable
bit5-	Reserved	0: Settable 1: Non-settable
bit6-	Reserved	0: Settable 1: Non-settable
bit7-	Reserved	0: Settable 1: Non-settable
bit8-	Reserved	0: Settable 1: Non-settable

bit9-	Reserved	0: Settable 1: Non-settable	
bit10-	Reserved	0: Settable 1: Non-settable	
bit11-	Reserved	0: Settable 1: Non-settable	
bit12-	Reserved	0: Settable 1: Non-settable	
bit13-	Reserved	0: Settable 1: Non-settable	
bit14-	Reserved	0: Settable 1: Non-settable	
bit15-	Reserved	0: Settable 1: Non-settable	

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-32	Designated unlocked parameter address 1	6803	-	-	0	UInt16	1	In real time	General user	In real time
A8-33	Designated unlocked parameter address 2	6804	-	-	0	UInt16	1	In real time	General user	In real time
A8-34	Designated unlocked parameter address 3	6805	-	-	0	UInt16	1	In real time	General user	In real time
A8-35	Designate	6806	-	-	0	UInt16	1	In real	General	In real

	d unlocked parameter address 4							time	user	time
A8-36	Designated unlocked parameter address 5	6807	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A8-37	Designated unlocked parameter address 6	6808	-	-	0	UInt16	1	In real time	General user	In real time
A8-38	Designated unlocked parameter address 7	6809	-	-	0	UInt16	1	In real time	General user	In real time
A8-39	Designated unlocked parameter address 8	6810	-	-	0	UInt16	1	In real time	General user	In real time
A8-40	Designated unlocked parameter address 9	6811	-	-	0	UInt16	1	In real time	General user	In real time

A8-41	Designated unlocked parameter address 10	6812	-	-	0	UInt16	1	In real time	General user	In real time

A9 Data group selection

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A9-00	Reference channel source	80	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Reference channel 1 1: Reference channel 2 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

A10 SOP-20/Relay communication

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A10-00	SOP-20 control permission	84	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value: 0: Disable 1: Allow Others: B connector									
	Description: null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
A10-03	SOP-20/Relay communication address	88	-	-	1	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A10-04	SOP-20/Relay communication rate	89	Refer to "Value"	-	3	UInt16	1	At stop	General user	In real time
	Value: 0: 115200 bps 1: 1 Mbps 2: 2 Mbps 3: 4 Mbps									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A10-05	SOP-20 open circuit detection	34195	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Enable 1: Disable									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A10-06	SOP-20 open circuit detection time	6404	-	s	3	UInt16	0.1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A10-07	SOP-20 operation control command source	2200	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Operation inhibited 1: Operation allowed 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A10-11	Retention of SOP-20 local/remote state upon power failure	1040	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Non-retentive 1: Retentive Others: B connector									
	Description: null									

A12 Trigger oscilloscope

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-00	State of trigger oscillosco	33784	-	-	-	UInt16	1	N/A	General user	In real time

	pe									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-01	Start of trigger oscilloscope	33783	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Stop 1: Start									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-02	Trigger oscilloscope sampling cycle selection	1867	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Carrier cycle 1: 2 ms									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-03	Sampling cycle multiplier of trigger oscilloscope	1868	-	-	1	UInt16	1	In real time	General user	In real time
A12-04	Trigger ratio of trigger oscilloscope	1869	-	%	50	UInt16	1	In real time	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
A12-05	Trigger mode of trigger condition 1	1870	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Triggered by analog values 1: Triggered by analog bits 2: Triggered by digital values 3: Triggered by state machine 4: Triggered by faults 5: Triggered by minor faults 6: Triggered by alarms									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-06	Analog selection of trigger condition 1	1871	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-07	Analog bit selection of trigger condition 1	1872	-	-	0	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-08	Digital selection of trigger	1873	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	condition 1									
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-09	Analog comparison condition of trigger condition 1	1874	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Greater than > 1: Less than < 2: Equal to = 3: Greater than or equal to >= 4: Less than or equal to <=									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-10	Bit comparison condition of trigger condition 1	1875	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Rising edge 0 -> 1 1: Falling edge 1 -> 0 2: Edge 0 -> 1 or 1 -> 0 3: High signal 1 4: Low signal 0									
	Description: null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
A12-11	Analog value of trigger condition 1	1876	-	-	0	Int16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-12	Trigger condition relation	1877	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Trigger condition 2 invalid 1: AND 2: OR 3: XOR									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-13	Trigger mode of trigger condition 2	1878	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Triggered by analog values 1: Triggered by analog bits 2: Triggered by digital values 3: Triggered by state machine 4: Triggered by faults 5: Triggered by minor faults 6: Triggered by alarms									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-14	Analog selection of trigger condition 2	1879	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-15	Analog bit selection of trigger condition 2	1880	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-16	Digital selection of trigger condition 2	1881	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-17	Analog comparison condition of trigger condition 2	1882	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Greater than > 1: Less than < 2: Equal to = 3: Greater than or equal to >= 4: Less than or equal to <=									
	Description:									

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-18	Bit comparison condition of trigger condition 2	1883	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Rising edge 0 -> 1 1: Falling edge 1 -> 0 2: Edge 0 -> 1 or 1 -> 0 3: High signal 1 4: Low signal 0									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-19	Analog value of trigger condition 2	1884	-	-	0	Int16	1	In real time	General user	In real time
A12-20	Number of trigger oscilloscope sampling channels	1935	-	-	0	Int16	1	In real time	General user	In real time
A12-21	Trigger oscilloscope channel 1 selection	1885	-	-	1000	Int16	1	In real time	General user	In real time
A12-22	Trigger oscilloscope channel 2 selection	1886	-	-	1000	Int16	1	In real time	General user	In real time
A12-23	Trigger	1887	-	-	1000	Int16	1	In real	General	In real

	oscilloscope channel 3 selection							time	user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-24	Trigger oscilloscope channel 4 selection	1888	-	-	1000	Int16	1	In real time	General user	In real time
A12-25	Trigger oscilloscope channel 5 selection	1889	-	-	1000	Int16	1	In real time	General user	In real time
A12-26	Trigger oscilloscope channel 6 selection	1890	-	-	1000	Int16	1	In real time	General user	In real time
A12-27	Trigger oscilloscope channel 7 selection	1891	-	-	1000	Int16	1	In real time	General user	In real time
A12-28	Trigger oscilloscope channel 8 selection	1892	-	-	1000	Int16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-29	Trigger oscilloscope channel 9 selection	1893	-	-	1000	Int16	1	In real time	General user	In real time
A12-30	Trigger oscilloscope	1894	-	-	1000	Int16	1	In real time	General user	In real time

	pe channel 10 selection									
A12-31	Trigger oscilloscope channel 11 selection	1895	-	-	1000	Int16	1	In real time	General user	In real time
A12-32	Trigger oscilloscope channel 12 selection	1896	-	-	1000	Int16	1	In real time	General user	In real time
A12-33	Trigger oscilloscope channel 13 selection	1897	-	-	1000	Int16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-34	Trigger oscilloscope channel 14 selection	1898	-	-	1000	Int16	1	In real time	General user	In real time
A12-35	Trigger oscilloscope channel 15 selection	1899	-	-	1000	Int16	1	In real time	General user	In real time
A12-36	Trigger oscilloscope channel 16	1900	-	-	1000	Int16	1	In real time	General user	In real time

	selection									
A12-37	Trigger oscilloscope channel 17 selection	1901	-	-	1000	Int16	1	In real time	General user	In real time
A12-38	Trigger oscilloscope channel 18 selection	1902	-	-	1000	Int16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-39	Trigger oscilloscope channel 19 selection	1903	-	-	1000	Int16	1	In real time	General user	In real time
A12-40	Trigger oscilloscope channel 20 selection	1904	-	-	1000	Int16	1	In real time	General user	In real time
A12-41	Trigger oscilloscope channel 21 selection	1905	-	-	1000	Int16	1	In real time	General user	In real time
A12-42	Trigger oscilloscope channel 22 selection	1906	-	-	1000	Int16	1	In real time	General user	In real time
A12-43	Trigger oscillosco	1907	-	-	1000	Int16	1	In real time	General user	In real time

	pe channel 23 selection									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-44	Trigger oscilloscope channel 24 selection	1908	-	-	1000	Int16	1	In real time	General user	In real time
A12-45	Trigger oscilloscope channel 25 selection	1909	-	-	1000	Int16	1	In real time	General user	In real time
A12-46	Trigger oscilloscope channel 26 selection	1910	-	-	1000	Int16	1	In real time	General user	In real time
A12-47	Trigger oscilloscope channel 27 selection	1911	-	-	1000	Int16	1	In real time	General user	In real time
A12-48	Trigger oscilloscope channel 28 selection	1912	-	-	1000	Int16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-49	Trigger oscillosco	1913	-	-	1000	Int16	1	In real time	General user	In real time

	pe channel 29 selection									
A12-50	Trigger oscilloscope channel 30 selection	1914	-	-	1000	Int16	1	In real time	General user	In real time
A12-51	Trigger oscilloscope channel 31 selection	1915	-	-	1000	Int16	1	In real time	General user	In real time
A12-52	Trigger oscilloscope channel 32 selection	1916	-	-	1000	Int16	1	In real time	General user	In real time
A12-53	Trigger oscilloscope channel 33 selection	1917	-	-	1000	Int16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-54	Trigger oscilloscope channel 34 selection	1918	-	-	1000	Int16	1	In real time	General user	In real time
A12-55	Trigger oscilloscope channel 35	1919	-	-	1000	Int16	1	In real time	General user	In real time

	selection									
A12-56	Trigger oscilloscope channel 36 selection	1920	-	-	1000	Int16	1	In real time	General user	In real time
A12-57	Trigger oscilloscope channel 37 selection	1921	-	-	1000	Int16	1	In real time	General user	In real time
A12-58	Trigger oscilloscope channel 38 selection	1922	-	-	1000	Int16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-59	Trigger oscilloscope channel 39 selection	1923	-	-	1000	Int16	1	In real time	General user	In real time
A12-60	Trigger oscilloscope channel 40 selection	1924	-	-	1000	Int16	1	In real time	General user	In real time
A12-61	Trigger oscilloscope channel 41 selection	1925	-	-	1000	Int16	1	In real time	General user	In real time
A12-62	Trigger oscilloscope	1926	-	-	1000	Int16	1	In real time	General user	In real time

	pe channel 42 selection									
A12-63	Trigger oscilloscope channel 43 selection	1927	-	-	1000	Int16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-64	Trigger oscilloscope channel 44 selection	1928	-	-	1000	Int16	1	In real time	General user	In real time
A12-65	Trigger oscilloscope channel 45 selection	1929	-	-	1000	Int16	1	In real time	General user	In real time
A12-66	Trigger oscilloscope channel 46 selection	1930	-	-	1000	Int16	1	In real time	General user	In real time
A12-67	Trigger oscilloscope channel 47 selection	1931	-	-	1000	Int16	1	In real time	General user	In real time
A12-68	Trigger oscilloscope channel 48	1932	-	-	1000	Int16	1	In real time	General user	In real time

	selection									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A12-69	Trigger oscilloscope channel 49 selection	1933	-	-	1000	Int16	1	In real time	General user	In real time
A12-70	Trigger oscilloscope channel 50 selection	1934	-	-	1000	Int16	1	In real time	General user	In real time

A13 Custom channel for black box

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-00	Black box custom channel 1 selection	1954	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-01	Black box custom channel 2 selection	1955	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									

	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-02	Black box custom channel 3 selection	1956	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-03	Black box custom channel 4 selection	1957	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-04	Black box custom channel 5 selection	1958	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

A13-05	Black box custom channel 6 selection	1959	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-06	Black box custom channel 7 selection	1960	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-07	Black box custom channel 8 selection	1961	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-08	Black box custom channel 9 selection	1962	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value:									

	0：0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-09	Black box custom channel 10 selection	1963	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-10	Black box custom channel 11 selection	1964	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-11	Black box custom channel 12 selection	1965	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others： K connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-12	Black box custom channel 13 selection	1966	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-13	Black box custom channel 14 selection	1967	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-14	Black box custom channel 15 selection	1968	Refer to "Value"	-	1847	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A13-15	Black box custom channel 16 selection	1969	Refer to "Value"	-	1848	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

A15 Parallel parameters

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A15-00	Parallel function selection	2419	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Single drive 1: Paralleled drives									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A15-01	HPCU online flag	34122	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A15-02	Parallel	2420	Refer to	-	0	UInt16	1	At stop	General	In real

	module enable selection 1		"Value"						user	time

Value:

Bit	Name	Value
Ones-	Module 1	0: Disabled 1: Enabled
Tens-	Module 2	0: Disabled 1: Enabled
Hundreds-	Module 3	0: Disabled 1: Enabled
Thousands-	Module 4	0: Disabled 1: Enabled
Ten thousands-	Module 5	0: Disabled 1: Enabled

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A15-03	Parallel module enable selection 2	2421	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
Ones-	Module 6	0: Disabled 1: Enabled
Tens-	Module 7	0: Disabled 1: Enabled
Hundreds-	Module 8	0: Disabled 1: Enabled
Thousands-	Module 9	0: Disabled 1: Enabled
Ten thousands-	Module 10	0: Disabled 1: Enabled

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A15-04	Number of enabled parallel modules	34123	-	-	-	UInt16	1	N/A	General user	In real time
A15-05	Parallel module online display 1	34125	-	-	-	UInt16	1	N/A	General user	In real time
A15-06	Parallel module online display 2	34126	-	-	-	UInt16	1	N/A	General user	In real time
A15-07	Number of online parallel modules	34124	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A15-08	Current-sharing function in parallel mode	2422	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disable 1: Enable									
	Description: null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
A15-15	Status of parallel module 1	34019	-	-	-	UInt16	1	N/A	General user	In real time
A15-16	Status of parallel module 2	34020	-	-	-	UInt16	1	N/A	General user	In real time
A15-17	Status of parallel module 3	34021	-	-	-	UInt16	1	N/A	General user	In real time
A15-18	Status of parallel module 4	34022	-	-	-	UInt16	1	N/A	General user	In real time
A15-19	Status of parallel module 5	34023	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A15-20	Status of parallel module 6	34024	-	-	-	UInt16	1	N/A	General user	In real time
A15-21	Status of parallel module 7	34025	-	-	-	UInt16	1	N/A	General user	In real time
A15-22	Status of parallel module 8	34026	-	-	-	UInt16	1	N/A	General user	In real time
A15-23	Status of parallel module 9	34027	-	-	-	UInt16	1	N/A	General user	In real time
A15-24	Status of parallel module 10	34028	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A15-25	Ambient temperature of parallel module 1	34098	-	℃	-	Int16	1	N/A	General user	In real time
A15-26	Temperature of parallel module 1	34108	-	℃	-	Int16	1	N/A	General user	In real time
A15-27	Ambient temperature of parallel module 2	34099	-	℃	-	Int16	1	N/A	General user	In real time
A15-28	Temperature of parallel module 2	34109	-	℃	-	Int16	1	N/A	General user	In real time
A15-29	Ambient temperature of parallel module 3	34100	-	℃	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A15-30	Temperature of parallel module 3	34110	-	℃	-	Int16	1	N/A	General user	In real time
A15-31	Ambient temperature of parallel module 4	34101	-	℃	-	Int16	1	N/A	General user	In real time

A15-32	Temperature of parallel module 4	34111	-	℃	-	Int16	1	N/A	General user	In real time
A15-33	Ambient temperature of parallel module 5	34102	-	℃	-	Int16	1	N/A	General user	In real time
A15-34	Temperature of parallel module 5	34112	-	℃	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A15-35	Ambient temperature of parallel module 6	34103	-	℃	-	Int16	1	N/A	General user	In real time
A15-36	Temperature of parallel module 6	34113	-	℃	-	Int16	1	N/A	General user	In real time
A15-37	Ambient temperature of parallel module 7	34104	-	℃	-	Int16	1	N/A	General user	In real time
A15-38	Temperature of parallel module 7	34114	-	℃	-	Int16	1	N/A	General user	In real time
A15-39	Ambient temperature of parallel	34105	-	℃	-	Int16	1	N/A	General user	In real time

	module 8									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A15-40	Temperature of parallel module 8	34115	-	℃	-	Int16	1	N/A	General user	In real time
A15-41	Ambient temperature of parallel module 9	34106	-	℃	-	Int16	1	N/A	General user	In real time
A15-42	Temperature of parallel module 9	34116	-	℃	-	Int16	1	N/A	General user	In real time
A15-43	Ambient temperature of parallel module 10	34107	-	℃	-	Int16	1	N/A	General user	In real time
A15-44	Temperature of parallel module 10	34117	-	℃	-	Int16	1	N/A	General user	In real time

A16 Log parameters

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-03	Custom log reset function	36393	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value： 0：No operation 1：Reset the number of custom log 1 trigger events 2：Reset the number of custom log 2 trigger events 3：Reset the number of custom log 3 trigger events 4：Reset the number of custom log 4 trigger events 5：Reset the number of all the custom log trigger events 6：Restore custom log configuration parameters
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-04	Reset of custom log	36394	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Cancel 1：OK									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-05	Number of custom log 1 trigger events	36389	-	-	-	UInt16	1	N/A	General user	In real time
A16-06	Number of custom log 2 trigger events	36390	-	-	-	UInt16	1	N/A	General user	In real time
A16-07	Number of custom log 3	36391	-	-	-	UInt16	1	N/A	General user	In real time

	trigger events									
A16-08	Number of custom log 4 trigger events	36392	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-15	Trigger mode of custom log 1	6871	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid 1: Triggered by analog value 2: Triggered by digital value 3: Triggered by analog or digital value 4: Triggered by analog and digital value									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-16	Analog trigger source of custom log 1	6875	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

A16-17	Analog trigger comparison condition for custom log 1	6879	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Greater than > 1: Less than < 2: Equal to = 3: Greater than or equal to >= 4: Less than or equal to <=									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-18	Analog trigger comparison value source of custom log 1	6883	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-19	Digital trigger source of custom log 1	6887	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-20	Digital trigger comparison condition for custom log 1	6891	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Rising edge (0->1) 1: Falling edge (1->0) 2: Edge (0->1 or 1->0)									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-21	Channel 1 of custom log 1	6895	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

A16-22	Channel 2 of custom log 1	6896	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-23	Channel 3 of custom log 1	6897	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-24	Channel 4 of custom log 1	6898	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-25	Channel 5 of custom	6899	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	log 1									
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-26	Channel 6 of custom log 1	6900	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-27	Channel 7 of custom log 1	6901	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-28	Channel 8 of custom log 1	6902	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-31	Trigger mode of custom log 2	6872	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid 1: Triggered by analog value 2: Triggered by digital value 3: Triggered by analog or digital value 4: Triggered by analog and digital value									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-32	Analog trigger source of custom log 2	6876	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-33	Analog trigger	6880	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	comparison condition for custom log 2									
	Value: 0: Greater than > 1: Less than < 2: Equal to = 3: Greater than or equal to >= 4: Less than or equal to <=									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-34	Analog trigger comparison value source of custom log 2	6884	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-35	Digital trigger source of custom log 2	6888	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid									

	Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-36	Digital trigger comparison condition for custom log 2	6892	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Rising edge (0->1) 1： Falling edge (1->0) 2： Edge (0->1 or 1->0)									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-37	Channel 1 of custom log 2	6903	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-38	Channel 2 of custom	6904	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	log 2									
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-39	Channel 3 of custom log 2	6905	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-40	Channel 4 of custom log 2	6906	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-41	Channel 5 of custom log 2	6907	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-42	Channel 6 of custom log 2	6908	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-43	Channel 7 of custom log 2	6909	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-44	Channel 8 of custom log 2	6910	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0									

	Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-47	Trigger mode of custom log 3	6873	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid 1： Triggered by analog value 2： Triggered by digital value 3： Triggered by analog or digital value 4： Triggered by analog and digital value									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-48	Analog trigger source of custom log 3	6877	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-49	Analog trigger comparison	6881	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	condition for custom log 3									
	Value: 0: Greater than > 1: Less than < 2: Equal to = 3: Greater than or equal to >= 4: Less than or equal to <=									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-50	Analog trigger comparison value source of custom log 3	6885	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-51	Digital trigger source of custom log 3	6889	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-52	Digital trigger comparison condition for custom log 3	6893	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Rising edge (0->1) 1: Falling edge (1->0) 2: Edge (0->1 or 1->0)									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-53	Channel 1 of custom log 3	6911	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-54	Channel 2 of custom log 3	6912	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-55	Channel 3 of custom log 3	6913	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-56	Channel 4 of custom log 3	6914	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-57	Channel 5 of custom log 3	6915	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0									

	Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-58	Channel 6 of custom log 3	6916	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-59	Channel 7 of custom log 3	6917	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-60	Channel 8 of custom log 3	6918	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-63	Trigger mode of custom log 4	6874	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid 1: Triggered by analog value 2: Triggered by digital value 3: Triggered by analog or digital value 4: Triggered by analog and digital value									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-64	Analog trigger source of custom log 4	6878	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-65	Analog trigger comparison condition for	6882	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	custom log 4									
	Value: 0: Greater than > 1: Less than < 2: Equal to = 3: Greater than or equal to >= 4: Less than or equal to <=									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-66	Analog trigger comparison value source of custom log 4	6886	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-67	Digital trigger source of custom log 4	6890	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-68	Digital trigger comparison condition for custom log 4	6894	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Rising edge (0->1) 1: Falling edge (1->0) 2: Edge (0->1 or 1->0)									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-69	Channel 1 of custom log 4	6919	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-70	Channel 2 of custom log 4	6920	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0									

	Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-71	Channel 3 of custom log 4	6921	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-72	Channel 4 of custom log 4	6922	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-73	Channel 5 of custom log 4	6923	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-74	Channel 6 of custom log 4	6924	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-75	Channel 7 of custom log 4	6925	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-76	Channel 8 of custom log 4	6926	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-85	Log function enable selection 1	6927	Refer to "Value"	-	11	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Reserved	0: Disable 1: Enable
Tens-	Reserved	0: Disable 1: Enable
Hundreds-	AI1 disconnected	0: Disable 1: Enable
Thousands-	AI2 disconnected	0: Disable 1: Enable
Ten thousands-	Reserved	0: Disable 1: Enable

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-86	Log function enable selection 2	6928	Refer to "Value"	-	10100	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Reserved	0: Disable 1: Enable
Tens-	RTC battery voltage too low	0: Disable 1: Enable
Hundreds-	Auto-inspection	0: Disable 1: Enable

Thousands-	Current state machine	0: Disable 1: Enable	
Ten thousands-	Reserved	0: Disable 1: Enable	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-87	Log function enable selection 3	6929	Refer to "Value"	-	11111	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Control channel switchover	0: Disable 1: Enable
Tens-	Reserved	0: Disable 1: Enable
Hundreds-	Setpoint channel switchover	0: Disable 1: Enable
Thousands-	SOP20 gets permission	0: Disable 1: Enable
Ten thousands-	SOP20 releases permission	0: Disable 1: Enable

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-88	Log function enable selection 4	6930	Refer to "Value"	-	11111	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	IDS gets permission	0: Disable 1: Enable
Tens-	IDS releases permission	0: Disable 1: Enabled
Hundreds-	Modify parameter access level	0: Disable 1: Enabled
Thousands-	Reserved	0: Disable 1: Enable
Ten thousands-	Reserved	0: Disable 1: Enable

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-89	Log function enable selection 5	6931	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Reserved	0: Disable 1: Enable
Tens-	Reserved	0: Disable 1: Enable
Hundreds-	DP bit10 check failure	0: Disable 1: Enable
Thousands-	Reserved	0: Disable 1: Enable
Ten thousands-	Reserved	0: Disable 1: Enable

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

<table>
<tr><td rowspan="3">A16-90</td><td>Log function enable selection 6</td><td>6932</td><td>Refer to "Value"</td><td>-</td><td>11010</td><td>UInt16</td><td>1</td><td>In real time</td><td>General user</td><td>In real time</td></tr>
<tr><td colspan="10">Value:<table><tr><th>Bit</th><th>Name</th><th>Value</th></tr><tr><td>Ones-</td><td>Inolink offline</td><td>0: Disable
1: Enable</td></tr><tr><td>Tens-</td><td>Execution time synchronization</td><td>0: Disable
1: Enable</td></tr><tr><td>Hundreds-</td><td>OFF1 state</td><td>0: Disable
1: Enable</td></tr><tr><td>Thousands-</td><td>OFF2 state</td><td>0: Disable
1: Enable</td></tr><tr><td>Ten thousands-</td><td>Reserved</td><td>0: Disable
1: Enable</td></tr></table></td></tr>
<tr><td colspan="10">Description:
null</td></tr>
<tr><th>Param.</th><th>Name</th><th>Communication address</th><th>Range</th><th>Unit</th><th>Default</th><th>Data type</th><th>Accuracy</th><th>Change mode</th><th>User authority</th><th>Effective mode</th></tr>
<tr><td rowspan="3">A16-91</td><td>Log function enable selection 7</td><td>6933</td><td>Refer to "Value"</td><td>-</td><td>10</td><td>UInt16</td><td>1</td><td>In real time</td><td>General user</td><td>In real time</td></tr>
<tr><td colspan="10">Value:<table><tr><th>Bit</th><th>Name</th><th>Value</th></tr><tr><td>Ones-</td><td>Operation permission</td><td>0: Disable
1: Enable</td></tr><tr><td>Tens -</td><td>Trigger black box record</td><td>0: Disable
1: Enable</td></tr><tr><td>Hundreds-</td><td>Write Modbus mailbox data (reserved)</td><td>0: Disable
1: Enable</td></tr><tr><td>Thousands-</td><td>Write non-Modbus mailbox data</td><td>0: Disable
1: Enable</td></tr></table></td></tr>
</table>

Ten thousands-	Reserved	0: Disable 1: Enable	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-92	Log function enable selection 8	6934	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Reserved	0: Disable 1: Enable
Tens-	Reserved	0: Disable 1: Enable
Hundreds-	Reserved	0: Disable 1: Enable
Thousands-	Reserved	0: Disable 1: Enable
Ten thousands-	Reserved	0: Disable 1: Enable

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-93	Log function enable selection 9	6935	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value

Ones-	Reserved	0: Disable 1: Enable	
Tens-	Reserved	0: Disable 1: Enable	
Hundreds-	Reserved	0: Disable 1: Enable	
Thousands-	Reserved	0: Disable 1: Enable	
Ten thousands-	Reserved	0: Disable 1: Enable	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-94	Log function enable selection 10	6936	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Reserved	0: Disable 1: Enable
Tens-	Reserved	0: Disable 1: Enable
Hundreds-	Reserved	0: Disable 1: Enable
Thousands-	Reserved	0: Disable 1: Enable
Ten thousands-	Reserved	0: Disable 1: Enable

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

A16-95	Log function enable selection 11	6937	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Reserved	0: Disable 1: Enable
Tens-	Reserved	0: Disable 1: Enable
Hundreds-	Reserved	0: Disable 1: Enable
Thousands-	Reserved	0: Disable 1: Enable
Ten thousands-	Reserved	0: Disable 1: Enable

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-96	Log function enable selection 12	6938	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Reserved	0: Disable 1: Enable
Tens-	Reserved	0: Disable 1: Enable
Hundreds-	Reserved	0: Disable 1: Enable
Thousands-	Reserved	0: Disable 1: Enable

Ten thousands-	Reserved	0: Disable 1: Enable	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-97	Log function enable selection 13	6939	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Reserved	0: Disable 1: Enable
Tens-	Reserved	0: Disable 1: Enable
Hundreds-	Reserved	0: Disable 1: Enable
Thousands-	Reserved	0: Disable 1: Enable
Ten thousands-	Reserved	0: Disable 1: Enable

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-98	Log function enable selection 14	6940	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value

Ones-	Reserved	0: Disable 1: Enable	
Tens-	Reserved	0: Disable 1: Enable	
Hundreds-	Reserved	0: Disable 1: Enable	
Thousands-	Reserved	0: Disable 1: Enable	
Ten thousands-	Reserved	0: Disable 1: Enable	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
A16-99	Log function enable selection 15	6941	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Reserved	0: Disable 1: Enable
Tens-	Reserved	0: Disable 1: Enable
Hundreds-	Reserved	0: Disable 1: Enable
Thousands-	Reserved	0: Disable 1: Enable
Ten thousands-	Reserved	0: Disable 1: Enable

Description:
null

b0 Default configuration parameters

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b0-00	Default configuration	2887	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Disable 1: Enable Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b0-01	Default configuration status	33968	-	-	-	UInt16	1	N/A	General user	In real time
b0-02	Default start command source	2889	-	-	-	UInt16	1	N/A	General user	In real time
b0-03	Default stop command source	2890	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b0-04	Default operation command source	2202	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Operation inhibited 1: Operation allowed 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
b0-05	Default reset signal source	2891	-	-	-	UInt16	1	N/A	General user	In real time

b1 Custom control word setting of channel 1

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b1-00	[Channel 1] control source	2254	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value: 0: Terminal start/stop module 1: Custom start/stop (group b1) Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b1-01	[Channel 1] custom OFF1 source	2255	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b1-02	[Channel 1] Custom	2256	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time

	OFF2 source									
	Value: 0: Switch-off active 1: Switch-off inactive 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b1-03	[Channel 1] custom operation command source	2259	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Operation inhibited 1: Operation allowed 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b1-04	[Channel 1] Custom reset signal source	2260	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

b2 Other control word setting of channel 1

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b2-00	[Channel 1] OFF2 source 2	2257	Refer to "Value"	-	1008	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-off active 1: Switch-off inactive 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b2-01	[Channel 1] OFF2 source 3	2258	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: Same as"b2-00"									
	Description: Same as"b2-00"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b2-02	[Channel 1] reset signal source 2	2261	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
b2-03	[Channel 1] reset signal source 3	2262	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"b2-02"									
	Description: Same as"b2-02"									

b3 Custom control word setting of channel 2

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b3-00	[Channel 2] control source	2888	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value: 0: Terminal start/stop module 1: Custom start/stop (group b3) Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b3-01	[Channel 2] custom OFF1 source	2879	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
b3-02	[Channel 2] custom OFF2 source	2880	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-off active 1: Switch-off inactive 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b3-03	[Channel 2] custom running command source	2883	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Operation inhibited 1: Operation allowed 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b3-04	[Channel 2] custom reset signal source	2884	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description:									

	null

b4 Other control word setting of channel 2

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b4-00	[Channel 2] OFF2 source 2	2881	Refer to "Value"	-	1008	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-off active 1: Switch-off inactive 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b4-01	[Channel 2] OFF2 source 3	2882	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: Same as"b4-00"									
	Description: Same as"b4-00"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b4-02	[Channel 2] reset signal source 2	2885	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description:									

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b4-03	[Channel 2] reset signal source 3	2886	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"b4-02"									
	Description: Same as"b4-02"									

b5 Terminal start/stop module

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b5-00	Effective terminal start/stop module	33958	-	-	-	UInt16	1	N/A	General user	In real time
b5-01	Terminal start/stop module OFF1 status	33959	-	-	-	UInt16	1	N/A	General user	In real time
b5-02	[Module 1] OFF1 status	33960	-	-	-	UInt16	1	N/A	General user	In real time
b5-03	[Module 2] OFF1 status	33961	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b5-04	Terminal start/stop module 1/2 selection	2873	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: Module 1 1: Module 2 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b5-05	[Module 1] mode	2263	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Level mode IN1 (1) 1: IN1 (1), IN2 (0->1) 2: IN1(1), IN2 (kept at 0->1) 3: IN1 (0->1), IN2 (0)									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b5-06	[Module 1] input 1	2212	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b5-07	[Module 1] input 2	2213	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"b5-06"									
	Description: Same as"b5-06"									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
b5-08	[Module 1] operation command source	2210	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Operation inhibited 1: Operation allowed 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b5-09	[Module 1] reset signal source	2209	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b5-10	[Module 2] mode	2874	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Level mode IN1 (1) 1: IN1 (1), IN2 (0->1) 2: IN1(1), IN2 (kept at 0->1) 3: IN1 (0->1), IN2 (0)									
	Description: null									

Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
b5-11	[Module 2] input 1	2875	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b5-12	[Module 2] input 2	2876	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"b5-11"									
	Description: Same as"b5-11"									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b5-13	[Module 2] operation command source	2877	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Operation inhibited 1: Operation allowed 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b5-14	[Module 2] reset signal	2878	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	source									
	Value: 0: Disabled 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

b6 Auxiliary control word setting

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b6-00	Control signal of main circuit breaker	33954	-	-	-	UInt16	1	N/A	General user	In real time
b6-01	Main circuit breaker feedback signal source	33970	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b6-06	Operation inhibition command source 1	2191	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Operation allowed 1: Operation inhibited 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b6-07	Operation inhibition command source 2	2192	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"b6-06"									
	Description: Same as"b6-06"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
b6-09	Forced switch-off upon control source change	2908	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disable 1: Enable Others: B connector									
	Description: null									

C4 Motorized potentiometer

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C4-00	Motorized potentiometer function	178	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Inhibited 1: Cleared upon power failure									

	2: Retentive upon power failure									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C4-01	Initial value of motorized potentiometer	179	-	%	100.0	Int16	0.1	At stop	General user	In real time
C4-02	Ramp time of motorized potentiometer	180	-	s	10	UInt16	0.1	In real time	General user	In real time
C4-03	Maximum value of motorized potentiometer	182	-	%	100.0	Int16	0.1	In real time	General user	In real time
C4-04	Minimum value of motorized potentiometer	181	-	%	-100.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C4-05	Value increase source of motorized potentiometer	1944	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 4: DI3 8: DIL									

	1：Enabled 2：DI1 3：DI2			5：DI4 6：DI5 7：DI6			9：HDI1 10：HDI2 Others：B connector			
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C4-06	Value decrease source of motorized potentiometer	1945	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： Same as"C4-05"									
	Description： Same as"C4-05"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C4-07	Source of forced value of motorized potentiometer	2589	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： Same as"C4-06"									
	Description： Same as"C4-06"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C4-08	Forced value source of motorized potentio	2899	Refer to "Value"	-	2	UInt16	1	In real time	General user	In real time

	meter									
	Value: 0: 0 1: 100% 2: Parameter Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C4-09	Force value of motorized potentiometer	2590	-	%	100.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C4-10	Reset command source of motorized potentiometer	2900	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C4-11	Reset value source of motorize	2901	Refer to "Value"	-	2	UInt16	1	In real time	General user	In real time

	d potentiometer									
	Value: 0: 0 1: 100% 2: Parameter Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C4-12	Reset value of motorized potentiometer	2902	-	%	100.0	Int16	0.1	In real time	General user	In real time

C6 Multi-reference setting

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C6-00	Reference value	32801	-	%	-	Int16	0.1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C6-01	Multi-reference selection 1	187	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 1: 1 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C6-02	Multi-reference selection 2	188	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"C6-01"									
	Description: Same as"C6-01"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C6-03	Multi-reference selection 3	189	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"C6-02"									
	Description: Same as"C6-02"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C6-04	Multi-reference selection 4	190	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"C6-03"									
	Description: Same as"C6-03"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C6-05	Multi-reference 1	191	-	%	100.0	Int16	0.1	In real time	General user	In real time
C6-06	Multi-reference 2	192	-	%	100.0	Int16	0.1	In real time	General user	In real time

C6-07	Multi-reference 3	193	-	%	100.0	Int16	0.1	In real time	General user	In real time
C6-08	Multi-reference 4	194	-	%	100.0	Int16	0.1	In real time	General user	In real time
C6-09	Multi-reference 5	195	-	%	100.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C6-10	Multi-reference 6	196	-	%	100.0	Int16	0.1	In real time	General user	In real time
C6-11	Multi-reference 7	197	-	%	100.0	Int16	0.1	In real time	General user	In real time
C6-12	Multi-reference 8	198	-	%	100.0	Int16	0.1	In real time	General user	In real time
C6-13	Multi-reference 9	199	-	%	100.0	Int16	0.1	In real time	General user	In real time
C6-14	Multi-reference 10	200	-	%	100.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C6-15	Multi-reference 11	201	-	%	100.0	Int16	0.1	In real time	General user	In real time
C6-16	Multi-reference 12	202	-	%	100.0	Int16	0.1	In real time	General user	In real time
C6-17	Multi-reference 13	203	-	%	100.00	Int16	0.01	In real time	General user	In real time
C6-18	Multi-reference	204	-	%	100.00	Int16	0.01	In real time	General user	In real time

	14									
C6-19	Multi-reference 15	205	-	%	100.00	Int16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
C6-20	Multi-reference 16	206	-	%	100.00	Int16	0.01	In real time	General user	In real time

d0 Basic grid parameters

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
d0-00	Rated voltage of grid power	2279	-	V	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
d0-01	Rated frequency of power grid	2280	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 50 Hz 1: 60 Hz									
	Description: null									

d1 Grid auto-tuning parameters

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

d1-00	Phase sequence of grid power	2264	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: RST 1: RTS 2: SRT 3: STR 4: TSR 5: TRS									
	Description: null									

d3 Basic value information

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
d3-00	Base value of per-unit voltage	33943	-	V	-	UInt16	0.1	N/A	General user	In real time
d3-01	Base value of per-unit current	34033	-	A	-	Int16	1	N/A	General user	In real time
d3-02	Base value of per-unit power	34042	-	kVA	-	UInt16	1	N/A	General user	In real time

E1 Control parameters

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E1-00	Waiting time for auto-inspection upon power-on	2196	-	s	8	UInt16	0.01	In real time	General user	In real time

E4 Auxiliary parameters

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E4-02	Feedback signal filter time of main circuit breaker	2204	-	s	0.5	UInt16	0.001	In real time	General user	In real time

E7 Fault protection parameters

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-00	Threshold of excessively high grid voltage	2217	-	%	115.0	UInt16	0.1	In real time	General user	In real time
E7-01	Defines the threshold of excessively low grid voltage.	2218	-	%	84.0	UInt16	0.1	In real time	General user	In real time
E7-02	Threshold of excessively high grid frequency	2219	-	Hz	5	UInt16	1	In real time	General user	In real time

E7-03	Threshold of excessively low grid frequency	2220	-	Hz	5	UInt16	1	In real time	General user	In real time
E7-04	Threshold of three-phase imbalance	2221	-	%	8.0	UInt16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-05	Threshold of leakage current protection	2222	-	%	50.0	UInt16	0.1	In real time	General user	In real time
E7-08	Threshold of main breaker (auxiliary contactor) closing timeout	2206	-	s	5	UInt16	0.01	In real time	General user	In real time
E7-09	Threshold of main breaker (auxiliary contactor) opening timeout	2205	-	s	2	UInt16	0.01	In real time	General user	In real time
E7-10	Soft start timeout	2201	-	s	15	UInt16	0.1	In real time	General user	In real time
E7-12	Coefficient of	2197	-	-	90	UInt16	1	In real	General	In real

	excessively high charging current deviation							time	user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-40	<Fan detection module 1> card slot selection	4013	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-41	<Fan detection module 1> status	36810	-	-	-	UInt16	1	N/A	General user	In real time
E7-42	DI status of <fan detection module 1>	36811	-	-	-	UInt16	1	N/A	General user	In real time
E7-43	DO status of <fan detection module 1>	36812	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-44	DO1 signal source of <fan detection module 1>	4014	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-45	DO2 signal source of <fan detection module 1>	4015	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-46	Fault detection	4022	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

	inhibition of <fan detection module 1>									

Value:

Bit	Name	Value
bit0	DI1	0: Enabled 1: Disabled
bit1	DI2	0: Enabled 1: Disabled
bit2	DI3	0: Enabled 1: Disabled
bit3	DI4	0: Enabled 1: Disabled
bit4	DI5	0: Enabled 1: Disabled
bit5	DI6	0: Enabled 1: Disabled

Description:

null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-47	Fault detection mode of <fan detection module 1>	4025	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:

0: Always detected

1: Detected after running

Description:

null

Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
E7-48	<Fan detection module 2> card slot selection	4016	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-49	<Fan detection module 2> status	36813	-	-	-	UInt16	1	N/A	General user	In real time
E7-50	DI status of <fan detection module 2>	36814	-	-	-	UInt16	1	N/A	General user	In real time
E7-51	DO status of <fan detection module 2>	36815	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-52	DO1 signal	4017	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	source of <fan detection module 2>									
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-53	DO2 signal source of <fan detection module 2>	4018	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-54	Fault detection inhibition of <fan detection module 2>	4023	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	DI1	0: Enabled 1: Disabled
bit1	DI2	0: Enabled 1: Disabled
bit2	DI3	0: Enabled 1: Disabled
bit3	DI4	0: Enabled 1: Disabled
bit4	DI5	0: Enabled 1: Disabled
bit5	DI6	0: Enabled 1: Disabled

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-55	Fault detection mode of <fan detection module 2>	4026	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:
0: Always detected
1: Detected after running

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-56	<Fan detection module	4019	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	3> card slot selection									
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-57	<Fan detection module 3> status	36816	-	-	-	UInt16	1	N/A	General user	In real time
E7-58	DI status of <fan detection module 3>	36817	-	-	-	UInt16	1	N/A	General user	In real time
E7-59	DO status of <fan detection module 3>	36818	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-60	DO1 signal source of <fan detection module 3>	4020	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: Low level 1: High level Others: B connector
	Description: null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-61	DO2 signal source of <fan detection module 3>	4021	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-62	Fault detection inhibition of <fan detection module 3>	4024	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	DI1	0: Enabled 1: Disabled

bit1	DI2	0: Enabled 1: Disabled	
bit2	DI3	0: Enabled 1: Disabled	
bit3	DI4	0: Enabled 1: Disabled	
bit4	DI5	0: Enabled 1: Disabled	
bit5	DI6	0: Enabled 1: Disabled	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E7-63	Fault detection mode of <fan detection module 3>	4027	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:
0: Always detected
1: Detected after running

Description:
null

E8 Fault protection enable

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E8-00	Fault protection enable	2293	Refer to "Value"	-	1111	UInt16	1	In real time	General user	In real time

	1									

Value:

Bit	Name	Value
Ones-	Reserved	0: Disabled 1: Enabled
Tens-	Reserved	0: Disabled 1: Enabled
Hundreds-	High ambient temperature detection enable	0: Disabled 1: Enabled
Thousands-	Low ambient temperature detection enable	0: Disabled 1: Enabled
Ten thousands-	Reserved	0: Disabled 1: Enabled

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E8-01	Fault protection enable selection 2	2294	Refer to "Value"	-	1111	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Low HCU_24 V input voltage detection	0: Disabled 1: Enabled
Tens-	Fault to be recorded by SD card black box	0: Faults that occur during operation 1: Faults that occur at any time
Hundreds-	Low RTC battery detection	0: Disabled 1: Enabled
Thousands-	SD card detection	0: Disabled 1: Enabled
Ten thousands-	Reserved	0: Disabled 1: Enabled

	Description: null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E8-02	Fault protection enable selection 3	2295	Refer to "Value"	-	11111	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	HSVM module connection error detection	0: Disabled 1: Enabled
Tens-	Main breaker closing error detection	0: Disabled 1: Enabled
Hundreds-	Main breaker opening error detection	0: Disabled 1: Enabled
Thousands-	Excessively low bus voltage detection	0: Disabled 1: Enabled
Ten thousands-	Main breaker closing error detection upon grid voltage error (rectifier)	0: Disabled 1: Enabled

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
E8-03	Fault protection enable selection 4	2296	Refer to "Value"	-	110	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Current imbalance detection	0: Disabled 1: Enabled

Tens-	Leakage current detection	0: Disabled 1: Enabled	
Hundreds-	OFF1 cleared automatically by default	0: Disabled 1: Enabled	
Thousands-	Auxiliary contactor closing fault detection (DC-DC)	0: Disabled 1: Enabled	
Ten thousands-	Auxiliary contactor opening fault detection (DC-DC)	0: Disabled 1: Enabled	

Description：
null

F0 DI

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F0-00	Physical state value of the DI	32805	-	-	-	UInt16	1	N/A	General user	In real time
F0-01	Processed state value of DI	32806	-	-	-	UInt16	1	N/A	General user	In real time
F0-02	Forced DI selection	1117	-	-	0x0	UInt16	1	In real time	General user	In real time
F0-03	Forced DI data	1118	-	-	0x0	UInt16	1	In real time	General user	In real time
F0-04	DI1 switch-on delay	1119	-	s	0.01	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F0-05	DI1 switch-off delay	1120	-	s	0.01	UInt16	0.01	In real time	General user	In real time
F0-06	DI2 switch-on	1121	-	s	0.01	UInt16	0.01	In real time	General user	In real time

	delay									
F0-07	DI2 switch-off delay	1122	-	s	0.01	UInt16	0.01	In real time	General user	In real time
F0-08	DI3 switch-on delay	1123	-	s	0.01	UInt16	0.01	In real time	General user	In real time
F0-09	DI3 switch-off delay	1124	-	s	0.01	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F0-10	DI4 switch-on delay	1125	-	s	0.01	UInt16	0.01	In real time	General user	In real time
F0-11	DI4 switch-off delay	1126	-	s	0.01	UInt16	0.01	In real time	General user	In real time
F0-12	DI5 switch-on delay	1127	-	s	0.01	UInt16	0.01	In real time	General user	In real time
F0-13	DI5 switch-off delay	1128	-	s	0.01	UInt16	0.01	In real time	General user	In real time
F0-14	DI6 switch-on delay	1129	-	s	0.01	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F0-15	DI6 switch-off delay	1130	-	s	0.01	UInt16	0.01	In real time	General user	In real time
F0-16	DIL switch-on delay	1131	-	s	0.01	UInt16	0.01	In real time	General user	In real time
F0-17	DIL switch-off delay	1132	-	s	0.01	UInt16	0.01	In real time	General user	In real time
F0-18	HDI1	1133	-	s	0.01	UInt16	0.01	In real	General	In real

	switch-on delay							time	user	time
F0-19	HDI1 switch-off delay	1134	-	s	0.01	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F0-20	HDI2 switch-on delay	1135	-	s	0.01	UInt16	0.01	In real time	General user	In real time
F0-21	HDI2 switch-off delay	1136	-	s	0.01	UInt16	0.01	In real time	General user	In real time

F1 DO

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F1-00	DO signal source state value	32807	-	-	-	UInt16	1	N/A	General user	In real time
F1-01	Processed state value of DO	32808	-	-	-	UInt16	1	N/A	General user	In real time
F1-02	RO1 signal source	2469	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F1-03	RO2 signal source	2470	Refer to "Value"	-	10	UInt16	1	At stop	General user	In real time
	Value: 0: Low level 1: High level 2: Ready to switch on 4: Started 5: Charging 6: Running 8: Auxiliary contactor control 9: Alarm 10: Fault									

	3：Starting　　7：Main circuit breaker control　　Others：B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F1-04	RO3 signal source	2471	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： Same as"F1-03"									
	Description： Same as"F1-03"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F1-05	HDO1 as DO signal source	2472	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： Same as"F1-04"									
	Description： Same as"F1-04"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F1-06	HDO2 as DO signal source	2473	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： Same as"F1-05"									
	Description： Same as"F1-05"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F1-07	RO1 switch-on delay	1143	-	s	-	UInt16	0.01	N/A	General user	In real time
F1-08	RO1 switch-off	1144	-	s	-	UInt16	0.01	N/A	General user	In real time

	delay									
F1-09	RO2 switch-on delay	1145	-	s	0	UInt16	0.01	In real time	General user	In real time
F1-10	RO2 switch-off delay	1146	-	s	0	UInt16	0.01	In real time	General user	In real time
F1-11	RO3 switch-on delay	1147	-	s	0	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F1-12	RO3 switch-off delay	1148	-	s	0	UInt16	0.01	In real time	General user	In real time
F1-13	Switch-on delay for HDO1 used as DO	1149	-	s	0	UInt16	0.01	In real time	General user	In real time
F1-14	Switch-off delay for HDO1 used as DO	1150	-	s	0	UInt16	0.01	In real time	General user	In real time
F1-15	Switch-on delay for HDO2 used as DO	1151	-	s	0	UInt16	0.01	In real time	General user	In real time
F1-16	Switch-off delay for HDO2 used as DO	1152	-	s	0	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F1-17	DO positive/ negative	1153	-	-	-	UInt16	1	N/A	General user	In real time

	logic									

F2 AI

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F2-00	AI1 input value	32809	-	-	-	Int16	0.001	N/A	General user	In real time
F2-01	AI1 input proportion	32810	-	%	-	Int16	0.1	N/A	General user	In real time
F2-02	AI2 input value	32811	-	-	-	Int16	0.001	N/A	General user	In real time
F2-03	AI2 input proportion	32812	-	%	-	Int16	0.1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F2-04	AI1 type	1154	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: -10 to +10 V 1: 0 V to 10 V 2: -20 mA to +20 mA 3: 0 mA to 20 mA 4: 4 mA to 20 mA									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F2-05	AI2 type	1155	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value:									

	0：-10 to +10 V 1：0 V to 10 V 2：-20 mA to +20 mA 3：0 mA to 20 mA 4：4 mA to 20 mA									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F2-06	Minimum input value of AI1 curve	1156	-	-	-10	Int16	0.001	In real time	General user	In real time
F2-07	Minimum input proportion of AI1 curve	1157	-	%	-100.0	Int16	0.1	In real time	General user	In real time
F2-08	Max. input value of AI1 curve	1158	-	-	10	Int16	0.001	In real time	General user	In real time
F2-09	Max. input proportion of AI1 curve	1159	-	%	100.0	Int16	0.1	In real time	General user	In real time
F2-10	Minimum input value of AI2 curve	1160	-	-	-10	Int16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F2-11	Minimum input proportion of AI2	1161	-	%	-100.0	Int16	0.1	In real time	General user	In real time

	curve									
F2-12	Max. input value of AI2 curve	1162	-	-	10	Int16	0.001	In real time	General user	In real time
F2-13	Max. input proportion of AI2 curve	1163	-	%	100.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F2-14	Selection when AI value lower than the set minimum input	1164	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Selection when AI1 value lower than minimum input value	0: Minimum input proportion 1: 0.0%
Tens-	Selection when AI2 value lower than minimum input value	0: Minimum input proportion 1: 0.0%

Description:

null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F2-15	AI1 filter time	1165	-	s	0	UInt16	0.001	In real time	General user	In real time
F2-16	AI2 filter	1166	-	s	0	UInt16	0.001	In real	General	In real

	time							time	user	time
F2-17	AI1 denoising threshold	1167	-	%	0.0	UInt16	0.1	In real time	General user	In real time
F2-18	AI2 denoising threshold	1168	-	%	0.0	UInt16	0.1	In real time	General user	In real time
F2-19	Zero-crossing threshold of AI setting	2185	-	%	0.0	Int16	0.1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F2-20	AI1 selection	1169	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Inhibited 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F2-21	AI2	1170	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: Same as"F2-20"									
	Description: Same as"F2-20"									

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
F2-22	AI1 open circuit monitoring threshold	1171	-	mA	2	UInt16	0.001	In real time	General user	In real time
F2-23	AI2 open circuit monitoring threshold	1172	-	mA	2	UInt16	0.001	In real time	General user	In real time
F2-24	AI1 open circuit monitoring delay	1173	-	s	1	UInt16	0.01	In real time	General user	In real time
F2-25	AI2 open circuit monitoring delay	1174	-	s	1	UInt16	0.01	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F2-26	AI open circuit monitoring	1175	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	AI1 open circuit monitoring	0: Disabled 1: Enabled
Tens-	AI2 open circuit monitoring	0: Disabled 1: Enabled

Description:

null

F3 AO

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F3-00	AO1 output value	32813	-	-	-	UInt16	0.001	N/A	General user	In real time
F3-01	AO1 output proportion	32814	-	%	-	Int16	0.1	N/A	General user	In real time
F3-02	AO2 output value	32815	-	-	-	UInt16	0.001	N/A	General user	In real time
F3-03	AO2 output proportion	32816	-	%	-	Int16	0.1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F3-04	AO1 signal source	2462	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 1: Grid voltage 2: Grid frequency 3: Grid current 4: Three-phase imbalance degree 5: Bus voltage 6: Power 7: Bus voltage reference 8: Ambient temperature 9: Power unit temperature Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F3-05	AO2 signal source	2463	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: Same as"F3-04"									
	Description: Same as"F3-04"									

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
F3-06	AO1 type	1178	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 to 10 V 1: 0 to 20 mA 2: 4 to 20 mA									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F3-07	AO2 type	1179	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 to 10 V 1: 0 to 20 mA 2: 4 to 20 mA									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F3-08	Minimum output proportion of AO1 curve	1180	-	%	0.0	Int16	0.1	In real time	General user	In real time
F3-09	Minimum output value of AO1 curve	1181	-	-	0	Int16	0.001	In real time	General user	In real time
F3-10	Maximum output proportion of AO1 curve	1182	-	%	100.0	Int16	0.1	In real time	General user	In real time
F3-11	Maximum output value of AO1	1183	-	-	10	Int16	0.001	In real time	General user	In real time

	curve									
F3-12	Minimum output proportion of AO2 curve	1184	-	%	0.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F3-13	Minimum output value of AO2 curve	1185	-	-	0	Int16	0.001	In real time	General user	In real time
F3-14	Maximum output proportion of AO2 curve	1186	-	%	100.0	Int16	0.1	In real time	General user	In real time
F3-15	Maximum output value of AO2 curve	1187	-	-	10	Int16	0.001	In real time	General user	In real time

F4 HDI

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F4-00	HDI1 input value	32817	-	kHz	-	UInt16	0.01	N/A	General user	In real time
F4-01	HDI1 input proportion	32818	-	%	-	Int16	0.1	N/A	General user	In real time
F4-02	HDI2 input	32819	-	kHz	-	UInt16	0.01	N/A	General user	In real time

	value									
F4-03	HDI2 input proportion	32820	-	%	-	Int16	0.1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F4-04	HDI used as DI	1188	Refer to "Value"	-	11	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
Ones-	Whether to use HDI1 as DI	0: No 1: Yes
Tens-	Whether to use HDI2 as DI	0: No 1: Yes

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F4-05	Minimum input frequency of HDI1 curve	1191	-	kHz	10	UInt16	0.01	In real time	General user	In real time
F4-06	Minimum input proportion of HDI1 curve	1192	-	%	0.0	Int16	0.1	In real time	General user	In real time
F4-07	Maximum input frequency of HDI1 curve	1193	-	kHz	100	UInt16	0.01	In real time	General user	In real time

F4-08	Max. input proportion of HDI1 curve	1194	-	%	100.0	Int16	0.1	In real time	General user	In real time
F4-09	Minimum input frequency of HDI2 curve	1195	-	kHz	10	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F4-10	Minimum input proportion of HDI2 curve	1196	-	%	0.0	Int16	0.1	In real time	General user	In real time
F4-11	Maximum input frequency of HDI2 curve	1197	-	kHz	100	UInt16	0.01	In real time	General user	In real time
F4-12	Max. input proportion of HDI2 curve	1198	-	%	100.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F4-13	Selection when HDI value lower than the set minimum input	2046	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value： Bit / Name / Value Ones- / Selection when HDI1 value lower than minimum input value / 0: Minimum input proportion 1: 0.0% Tens- / Selection when HDI2 value lower than minimum input value / 0: Minimum input proportion 1: 0.0%
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F4-14	HDI1 filter time	1189	-	s	0	UInt16	0.001	In real time	General user	In real time
F4-15	HDI2 filter time	1190	-	s	0	UInt16	0.001	In real time	General user	In real time
F4-16	Zero-crossing threshold of HDI setting	2186	-	%	0.0	Int16	0.1	In real time	General user	In real time

F5 HDO

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F5-00	HDO1 output value	32821	-	kHz	-	UInt16	0.01	N/A	General user	In real time
F5-01	HDO1 output proportion	32822	-	%	-	Int16	0.1	N/A	General user	In real time
F5-02	HDO2	32823	-	kHz	-	UInt16	0.01	N/A	General	In real

	output value								user	time
F5-03	HDO2 output proportion	32824	-	%	-	Int16	0.1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F5-04	HDO used as common DO	1199	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
Ones-	Whether to use HDO1 as DO	0: No 1: Yes
Tens-	Whether to use HDO2 as DO	0: No 1: Yes

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F5-05	HDO1 signal source	2464	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:

0: 0
1: Grid voltage
2: Grid frequency
3: Grid current
4: Three-phase imbalance degree
5: Bus voltage
6: Power
7: Bus voltage reference
8: Ambient temperature
9: Power unit temperature
Others: K connector

Description:
null

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
F5-06	HDO2 signal source	2465	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: Same as"F5-05"									
	Description: Same as"F5-05"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F5-07	Minimum output proportion of HDO1 curve	1202	-	%	0.0	Int16	0.1	In real time	General user	In real time
F5-08	Minimum output frequency of HDO1 curve	1203	-	kHz	0	UInt16	0.01	In real time	General user	In real time
F5-09	Maximum output proportion of HDO1 curve	1204	-	%	100.0	Int16	0.1	In real time	General user	In real time
F5-10	Max. output frequency of HDO1 curve	1205	-	kHz	100	UInt16	0.01	In real time	General user	In real time
F5-11	Minimum output proportion of	1206	-	%	0.0	Int16	0.1	In real time	General user	In real time

	HDO2 curve									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F5-12	Minimum output frequency of HDO2 curve	1207	-	kHz	0	UInt16	0.01	In real time	General user	In real time
F5-13	Maximum output proportion of HDO2 curve	1208	-	%	100.0	Int16	0.1	In real time	General user	In real time
F5-14	Max. output frequency of HDO2 curve	1209	-	kHz	100	UInt16	0.01	In real time	General user	In real time

F6 AI/AO correction parameters

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
F6-16	AO1 current output gain	4201	-	%	100.0	UInt16	0.1	In real time	General user	In real time
F6-17	AO2 current output gain	4202	-	%	100.0	UInt16	0.1	In real time	General user	In real time

H0 Troubleshooting

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H0-00	Source of external fault 1	1210	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H0-01	Source of external fault 2	1211	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H0-00"									
	Description: Same as"H0-00"									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H0-02	Source of external alarm 1	1212	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H0-01"									
	Description: Same as"H0-01"									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H0-03	Source of external alarm 2	1213	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H0-02"									

	Description： Same as"H0-02"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H0-06	Custom black box trigger command source	1216	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H0-07	Automatic fault reset enable	1217	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid 1： Valid									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H0-08	Time for resetting the number of fault resets	1218	-	s	180	UInt16	0.1	In real time	General user	In real time
H0-09	Automatic reset interval	1219	-	s	30	UInt16	0.1	In real time	General user	In real time
H0-10	Number of fault	1220	-	-	5	UInt16	1	In real time	General user	In real time

	resets									
H0-11	Non-resettable fault code 1	1221	-	-	0	UInt16	1	In real time	General user	In real time
H0-12	Non-resettable fault code 2	1222	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H0-13	Non-resettable fault code 3	1223	-	-	0	UInt16	1	In real time	General user	In real time
H0-20	Restart waiting time after automatic reset	1229	-	s	10	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H0-28	Combination mode of fault code and subcode	6455	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: High-byte fault code with low-byte subcode 1: Low-byte master code with high-byte subcode 2: Master code x 100+Subcode									
	Description: null									

H1 Fault level modification

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

H1-00	Fault code 1 for changing exception level	2431	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-02	Exception level of exception code 1	2432	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-off 1: Reserved 2: Stop 3: Reserved 4: Reserved 5: Reserved 6: Display alarm 7: No operation									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-04	Exception code 2 for changing exception level	2433	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-06	Exception level of exception code 2	2434	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-off 1: Reserved 2: Stop 3: Reserved 4: Reserved 5: Reserved 6: Display alarm 7: No operation									
	Description: null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
H1-08	Exception code 3 for changing exception level	2435	-	-	0	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-10	Exception level of exception code 3	2436	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-off 1: Reserved 2: Stop 3: Reserved 4: Reserved 5: Reserved 6: Display alarm 7: No operation									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-12	Exception code 4 for changing exception level	2437	-	-	0	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-14	Exception level of exception code 4	2438	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-off 1: Reserved 2: Stop 3: Reserved 4: Reserved 5: Reserved 6: Display alarm 7: No operation									
	Description:									

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-16	Exception code 5 for changing exception level	2439	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-18	Exception level of exception code 5	2440	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-off 1: Reserved 2: Stop 3: Reserved 4: Reserved 5: Reserved 6: Display alarm 7: No operation									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-20	Exception code 6 for changing exception level	2441	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-22	Exception level of exception code 6	2442	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-off 1: Reserved 2: Stop 4: Reserved 5: Reserved 6: Display alarm									

	3：Reserved					7：No operation				
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-24	Exception code 7 for changing exception level	2443	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-26	Exception level of exception code 7	2444	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Switch-off 1：Reserved 2：Stop 3：Reserved					4：Reserved 5：Reserved 6：Display alarm 7：No operation				
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-28	Exception code 8 for changing exception level	2445	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-30	Exception level of exception code 8	2446	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Switch-off					4：Reserved				

	1：Reserved 2：Stop 3：Reserved 5：Reserved 6：Display alarm 7：No operation									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-32	Exception code 9 for changing exception level	2447	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-34	Exception level of exception code 9	2448	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Switch-off 1：Reserved 2：Stop 3：Reserved 4：Reserved 5：Reserved 6：Display alarm 7：No operation									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-36	Exception code 10 for changing exception level	2449	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H1-38	Exception level of exception	2450	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	code 10									
	Value: 0: Switch-off 1: Reserved 2: Stop 3: Reserved 4: Reserved 5: Reserved 6: Display alarm 7: No operation									
	Description: null									

H2 Records of latest fault

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H2-00	Fault code 1	1293	-	-	-	UInt16	1	N/A	General user	In real time
H2-01	Subcode of fault code 1	1294	-	-	-	UInt16	1	N/A	General user	In real time
H2-02	Fault code 2	1295	-	-	-	UInt16	1	N/A	General user	In real time
H2-03	Subcode of fault code 2	1296	-	-	-	UInt16	1	N/A	General user	In real time
H2-04	Fault code 3	1297	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H2-05	Subcode of fault code 3	1298	-	-	-	UInt16	1	N/A	General user	In real time
H2-06	Fault code 4	1299	-	-	-	UInt16	1	N/A	General user	In real time
H2-07	Subcode of fault code 4	1300	-	-	-	UInt16	1	N/A	General user	In real time
H2-08	Fault code 5	1301	-	-	-	UInt16	1	N/A	General user	In real time
H2-09	Subcode	1302	-	-	-	UInt16	1	N/A	General	In real

	of fault code 5								user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H2-10	Fault code 6	1303	-	-	-	UInt16	1	N/A	General user	In real time
H2-11	Subcode of fault code 6	1304	-	-	-	UInt16	1	N/A	General user	In real time
H2-12	Bus voltage of the latest fault	2281	-	V	-	UInt16	0.1	N/A	General user	In real time
H2-13	Grid voltage of the latest fault	2282	-	V	-	UInt16	0.1	N/A	General user	In real time
H2-14	Module current of the latest fault	2283	-	A	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H2-15	Grid frequency of the latest fault	2284	-	Hz	-	UInt16	0.01	N/A	General user	In real time
H2-26	Control word 1 of the latest fault	1267	-	-	-	UInt16	1	N/A	General user	In real time
H2-27	Control word 2 of the latest fault	1268	-	-	-	UInt16	1	N/A	General user	In real time
H2-28	Status word of the latest fault	1269	-	-	-	UInt16	1	N/A	General user	In real time

H2-29	State machine upon the latest fault	1270	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H2-30	Time of occurrence of the latest fault	1271	-	-	-	UInt16	1	N/A	General user	In real time
H2-31	Date of occurrence of the latest fault	1272	-	-	-	UInt16	1	N/A	General user	In real time

H3 Records of the second to latest fault

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H3-00	Fault code 1	1305	-	-	-	UInt16	1	N/A	General user	In real time
H3-01	Subcode of fault code 1	1306	-	-	-	UInt16	1	N/A	General user	In real time
H3-02	Fault code 2	1307	-	-	-	UInt16	1	N/A	General user	In real time
H3-03	Subcode of fault code 2	1308	-	-	-	UInt16	1	N/A	General user	In real time
H3-04	Fault code 3	1309	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H3-05	Subcode of fault	1310	-	-	-	UInt16	1	N/A	General user	In real time

	code 3									
H3-06	Fault code 4	1311	-	-	-	UInt16	1	N/A	General user	In real time
H3-07	Subcode of fault code 4	1312	-	-	-	UInt16	1	N/A	General user	In real time
H3-08	Fault code 5	1313	-	-	-	UInt16	1	N/A	General user	In real time
H3-09	Subcode of fault code 5	1314	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H3-10	Fault code 6	1315	-	-	-	UInt16	1	N/A	General user	In real time
H3-11	Subcode of fault code 6	1316	-	-	-	UInt16	1	N/A	General user	In real time
H3-12	Bus voltage of the second to latest fault	2285	-	V	-	UInt16	0.1	N/A	General user	In real time
H3-13	Grid voltage of the second to latest fault	2286	-	V	-	UInt16	0.1	N/A	General user	In real time
H3-14	Module current of the second to latest fault	2287	-	A	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H3-15	Grid frequenc	2288	-	Hz	-	UInt16	0.01	N/A	General user	In real time

	y of the second to latest fault									
H3-26	Control word 1 of the second to latest fault	1277	-	-	-	UInt16	1	N/A	General user	In real time
H3-27	Control word 2 of the second to latest fault	1278	-	-	-	UInt16	1	N/A	General user	In real time
H3-28	Status word of the second to latest fault	1279	-	-	-	UInt16	1	N/A	General user	In real time
H3-29	State machine of the second to latest fault	1280	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H3-30	Time of occurrence of the second to latest fault	1281	-	-	-	UInt16	1	N/A	General user	In real time
H3-31	Date of the second to latest fault	1282	-	-	-	UInt16	1	N/A	General user	In real time

H4 Records of the third to latest fault

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H4-00	Fault code 1	1317	-	-	-	UInt16	1	N/A	General user	In real time
H4-01	Subcode of fault code 1	1318	-	-	-	UInt16	1	N/A	General user	In real time
H4-02	Fault code 2	1319	-	-	-	UInt16	1	N/A	General user	In real time
H4-03	Subcode of fault code 2	1320	-	-	-	UInt16	1	N/A	General user	In real time
H4-04	Fault code 3	1321	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H4-05	Subcode of fault code 3	1322	-	-	-	UInt16	1	N/A	General user	In real time
H4-06	Fault code 4	1323	-	-	-	UInt16	1	N/A	General user	In real time
H4-07	Subcode of fault code 4	1324	-	-	-	UInt16	1	N/A	General user	In real time
H4-08	Fault code 5	1325	-	-	-	UInt16	1	N/A	General user	In real time
H4-09	Subcode of fault code 5	1326	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H4-10	Fault code 6	1327	-	-	-	UInt16	1	N/A	General user	In real time
H4-11	Subcode of fault code 6	1328	-	-	-	UInt16	1	N/A	General user	In real time

H4-12	Bus voltage of the third to latest fault	2289	-	V	-	UInt16	0.1	N/A	General user	In real time
H4-13	Grid voltage of the third to latest fault	2290	-	V	-	UInt16	0.1	N/A	General user	In real time
H4-14	Module current of the third to latest fault	2291	-	A	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H4-15	Grid frequency of the third to latest fault	2292	-	Hz	-	UInt16	0.01	N/A	General user	In real time
H4-26	Control word 1 of the third to latest fault	1287	-	-	-	UInt16	1	N/A	General user	In real time
H4-27	Control word 2 of the third to latest fault	1288	-	-	-	UInt16	1	N/A	General user	In real time
H4-28	Status word of the third to latest fault	1289	-	-	-	UInt16	1	N/A	General user	In real time
H4-29	State machine of the	1290	-	-	-	UInt16	1	N/A	General user	In real time

	third to latest fault									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H4-30	Time of occurrence of the third to latest fault	1291	-	-	-	UInt16	1	N/A	General user	In real time
H4-31	Date of the third to latest fault	1292	-	-	-	UInt16	1	N/A	General user	In real time

H5 Records of the fourth to latest fault

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H5-00	Fault code 1	1329	-	-	-	UInt16	1	N/A	General user	In real time
H5-01	Subcode of fault code 1	1330	-	-	-	UInt16	1	N/A	General user	In real time
H5-02	Fault code 2	1331	-	-	-	UInt16	1	N/A	General user	In real time
H5-03	Subcode of fault code 2	1332	-	-	-	UInt16	1	N/A	General user	In real time
H5-04	Fault code 3	1333	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H5-05	Subcode of fault code 3	1334	-	-	-	UInt16	1	N/A	General user	In real time
H5-06	Fault	1335	-	-	-	UInt16	1	N/A	General	In real

	code 4								user	time
H5-07	Subcode of fault code 4	1336	-	-	-	UInt16	1	N/A	General user	In real time
H5-08	Fault code 5	1337	-	-	-	UInt16	1	N/A	General user	In real time
H5-09	Subcode of fault code 5	1338	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H5-10	Fault code 6	1339	-	-	-	UInt16	1	N/A	General user	In real time
H5-11	Subcode of fault code 6	1340	-	-	-	UInt16	1	N/A	General user	In real time
H5-12	Bus voltage of the fourth to latest fault	5104	-	V	-	UInt16	0.1	N/A	General user	In real time
H5-13	Grid voltage of the fourth to latest fault	5105	-	V	-	UInt16	0.1	N/A	General user	In real time
H5-14	Module current of the fourth to latest fault	5106	-	A	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H5-15	Grid frequency of the fourth to latest fault	5107	-	Hz	-	UInt16	0.01	N/A	General user	In real time
H5-26	Control	5055	-	-	-	UInt16	1	N/A	General	In real

	word 1 of the fourth to latest fault								user	time
H5-27	Control word 2 of the fourth latest fault	5056	-	-	-	UInt16	1	N/A	General user	In real time
H5-28	Status word of the fourth to latest fault	5057	-	-	-	UInt16	1	N/A	General user	In real time
H5-29	State machine of the fourth to latest fault	5058	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H5-30	Time upon occurrence of the fourth to latest fault	5059	-	-	-	UInt16	1	N/A	General user	In real time
H5-31	Date of the fourth to latest fault	5060	-	-	-	UInt16	1	N/A	General user	In real time

H6 Records of the fifth to latest fault

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H6-00	Fault	1341	-	-	-	UInt16	1	N/A	General	In real

	code 1								user	time
H6-01	Subcode of fault code 1	1342	-	-	-	UInt16	1	N/A	General user	In real time
H6-02	Fault code 2	1343	-	-	-	UInt16	1	N/A	General user	In real time
H6-03	Subcode of fault code 2	1344	-	-	-	UInt16	1	N/A	General user	In real time
H6-04	Fault code 3	1345	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H6-05	Subcode of fault code 3	1346	-	-	-	UInt16	1	N/A	General user	In real time
H6-06	Fault code 4	1347	-	-	-	UInt16	1	N/A	General user	In real time
H6-07	Subcode of fault code 4	1348	-	-	-	UInt16	1	N/A	General user	In real time
H6-08	Fault code 5	1349	-	-	-	UInt16	1	N/A	General user	In real time
H6-09	Subcode of fault code 5	1350	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H6-10	Fault code 6	1351	-	-	-	UInt16	1	N/A	General user	In real time
H6-11	Subcode of fault code 6	1352	-	-	-	UInt16	1	N/A	General user	In real time
H6-12	Bus voltage of the fifth to latest fault	5111	-	V	-	UInt16	0.1	N/A	General user	In real time
H6-13	Grid	5112	-	V	-	UInt16	0.1	N/A	General	In real

	voltage of the fifth to latest fault								user	time
H6-14	Module current of the fifth to latest fault	5113	-	A	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H6-15	Grid frequency of the fifth to latest fault	5114	-	Hz	-	UInt16	0.01	N/A	General user	In real time
H6-26	Control word 1 of the fifth to latest fault	5065	-	-	-	UInt16	1	N/A	General user	In real time
H6-27	Control word 2 of the fifth to latest fault	5066	-	-	-	UInt16	1	N/A	General user	In real time
H6-28	Status word of the fifth to latest fault	5067	-	-	-	UInt16	1	N/A	General user	In real time
H6-29	State machine of the fifth latest fault	5068	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

H6-30	Time upon occurrence of the fifth to latest fault	5069	-	-	-	UInt16	1	N/A	General user	In real time
H6-31	Date of the fifth latest fault	5070	-	-	-	UInt16	1	N/A	General user	In real time

H7 Records of latest minor fault codes

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H7-00	Minor fault code 1	1353	-	-	-	UInt16	1	N/A	General user	In real time
H7-01	Subcode of minor fault code 1	1354	-	-	-	UInt16	1	N/A	General user	In real time
H7-02	Minor fault code 2	1355	-	-	-	UInt16	1	N/A	General user	In real time
H7-03	Subcode of minor fault code 2	1356	-	-	-	UInt16	1	N/A	General user	In real time
H7-04	Minor fault code 3	1357	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H7-05	Subcode of minor fault code 3	1358	-	-	-	UInt16	1	N/A	General user	In real time

H7-06	Minor fault code 4	1359	-	-	-	UInt16	1	N/A	General user	In real time
H7-07	Subcode of minor fault code 4	1360	-	-	-	UInt16	1	N/A	General user	In real time
H7-08	Minor fault code 5	1361	-	-	-	UInt16	1	N/A	General user	In real time
H7-09	Subcode of minor fault code 5	1362	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H7-10	Minor fault code 6	1363	-	-	-	UInt16	1	N/A	General user	In real time
H7-11	Subcode of minor fault code 6	1364	-	-	-	UInt16	1	N/A	General user	In real time

H8 Records of latest alarm codes

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H8-00	Alarm code 1	1365	-	-	-	UInt16	1	N/A	General user	In real time
H8-01	Subcode of alarm code 1	1366	-	-	-	UInt16	1	N/A	General user	In real time
H8-02	Alarm code 2	1367	-	-	-	UInt16	1	N/A	General user	In real time
H8-03	Subcode of alarm code 2	1368	-	-	-	UInt16	1	N/A	General user	In real time

H8-04	Alarm code 3	1369	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H8-05	Subcode of alarm code 3	1370	-	-	-	UInt16	1	N/A	General user	In real time
H8-06	Alarm code 4	1371	-	-	-	UInt16	1	N/A	General user	In real time
H8-07	Subcode of alarm code 4	1372	-	-	-	UInt16	1	N/A	General user	In real time
H8-08	Alarm code 5	1373	-	-	-	UInt16	1	N/A	General user	In real time
H8-09	Subcode of alarm code 5	1374	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H8-10	Alarm code 6	1375	-	-	-	UInt16	1	N/A	General user	In real time
H8-11	Subcode of alarm code 6	1376	-	-	-	UInt16	1	N/A	General user	In real time

H10 Custom fault word

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-00	Custom fault word 1	34914	-	-	-	UInt16	1	N/A	General user	In real time
H10-01	Custom fault word 2	34915	-	-	-	UInt16	1	N/A	General user	In real time
H10-02	Fault word 1 -	3239	-	-	1	UInt16	1	In real	General	In real

	bit0 fault code							time	user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-03	Fault word 1-bit0 fault subcode	3240	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: All fault subcodes 1: Fault subcode 1 2: Fault subcode 2 3: Fault subcode 3 4: Fault subcode 4 5: Fault subcode 5 6: Fault subcode 6 7: Fault subcode 7 8: Fault subcode 8 9: Fault subcode 9 10: Fault subcode 10 11: Fault subcode 11 12: Fault subcode 12 13: Fault subcode 13 14: Fault subcode 14 15: Fault subcode 15 16: Fault subcode 16									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-04	Fault word 1-bit01 fault code	3241	-	-	2	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-05	Fault word 1-bit1 fault subcode	3242	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-03"									
	Description: Same as"H10-03"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-06	Fault word 1-bit02	3243	-	-	14	UInt16	1	In real time	General user	In real time

	fault code									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-07	Fault word 1-bit2 fault subcode	3244	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-05"									
	Description: Same as"H10-05"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-08	Fault word 1-bit03 fault code	3245	-	-	59	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-09	Fault word 1-bit3 fault subcode	3246	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-07"									
	Description: Same as"H10-07"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-10	Fault word 1-bit04 fault code	3247	-	-	57	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-11	Fault word 1-	3248	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	bit4 fault subcode									
	Value: Same as"H10-09"									
	Description: Same as"H10-09"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-12	Fault word 1-bit05 fault code	3249	-	-	67	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-13	Fault word 1-bit5 fault subcode	3250	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-11"									
	Description: Same as"H10-11"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-14	Fault word 1-bit06 fault code	3251	-	-	68	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-15	Fault word 1-bit6 fault subcode	3252	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-13"									
	Description: Same as"H10-13"									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-16	Fault word 1-bit07 fault code	3253	-	-	72	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-17	Fault word 1-bit7 fault subcode	3254	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-15"									
	Description: Same as"H10-15"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-18	Fault word 1-bit08 fault code	3255	-	-	73	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-19	Fault word 1-bit8 fault subcode	3256	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-17"									
	Description: Same as"H10-17"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-20	Fault word 1-bit09	3257	-	-	80	UInt16	1	In real time	General user	In real time

	fault code									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-21	Fault word 1-bit9 fault subcode	3258	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-19"									
	Description: Same as"H10-19"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-22	Fault word 1-bit10 fault code	3259	-	-	81	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-23	Fault word 1-bit10 fault subcode	3260	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-21"									
	Description: Same as"H10-21"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-24	Fault word 1-bit11 fault code	3261	-	-	15	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-25	Fault	3262	Refer to	-	0	UInt16	1	In real	General	In real

	word 1-bit11 fault subcode		"Value"					time	user	time
	Value: Same as"H10-23"									
	Description: Same as"H10-23"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-26	Fault word 1-bit12 fault code	3263	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-27	Fault word 1-bit12 fault subcode	3264	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-25"									
	Description: Same as"H10-25"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-28	Fault word 1-bit13 fault code	3265	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-29	Fault word 1-bit13 fault subcode	3266	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: Same as"H10-27"									
	Description: Same as"H10-27"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-30	Fault word 1-bit14 fault code	3267	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-31	Fault word 1-bit14 fault subcode	3268	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-29"									
	Description: Same as"H10-29"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-32	Fault word 1-bit15 fault code	3269	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-33	Fault word 1-bit15 fault subcode	3270	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-31"									
	Description: Same as"H10-31"									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-34	Fault word 2-bit00 fault code	3271	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-35	Fault word 2-bit0 fault subcode	3272	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-33"									
	Description: Same as"H10-33"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-36	Fault word 2-bit1 fault code	3273	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-37	Fault word 2-bit1 fault subcode	3274	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-35"									
	Description: Same as"H10-35"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-38	Fault word 2-bit2 fault	3275	-	-	0	UInt16	1	In real time	General user	In real time

	code									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-39	Fault word 2-bit2 fault subcode	3276	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-37"									
	Description: Same as"H10-37"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-40	Fault word 2-bit03 fault code	3277	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-41	Fault word 2-bit3 fault subcode	3278	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-39"									
	Description: Same as"H10-39"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-42	Fault word 2-bit4 fault code	3279	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-43	Fault word 2-	3280	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	bit4 fault subcode									
	Value: Same as"H10-41"									
	Description: Same as"H10-41"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-44	Fault word 2-bit5 fault code	3281	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-45	Fault word 2-bit5 fault subcode	3282	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-43"									
	Description: Same as"H10-43"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-46	Fault word 2-bit6 fault code	3283	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-47	Fault word 2-bit6 fault subcode	3284	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-45"									
	Description: Same as"H10-45"									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-48	Fault word 2-bit7 fault code	3285	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-49	Fault word 2-bit7 fault subcode	3286	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-47"									
	Description: Same as"H10-47"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-50	Fault word 2-bit8 fault code	3287	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-51	Fault word 2-bit8 fault subcode	3288	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-49"									
	Description: Same as"H10-49"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-52	Fault word 2-bit09	3289	-	-	0	UInt16	1	In real time	General user	In real time

	fault code									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-53	Fault word 2-bit9 fault subcode	3290	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-51"									
	Description: Same as"H10-51"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-54	Fault word 2-bit10 fault code	3291	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-55	Fault word 2-bit10 fault subcode	3292	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-53"									
	Description: Same as"H10-53"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-56	Fault word 2-bit11 fault code	3293	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-57	Fault	3294	Refer to	-	0	UInt16	1	In real	General	In real

	word 2-bit11 fault subcode		"Value"					time	user	time
	Value: Same as"H10-55"									
	Description: Same as"H10-55"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-58	Fault word 2-bit12 fault code	3295	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-59	Fault word 2-bit12 fault subcode	3296	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-57"									
	Description: Same as"H10-57"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-60	Fault word 2-bit13 fault code	3297	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-61	Fault word 2-bit13 fault subcode	3298	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: Same as"H10-59"									
	Description: Same as"H10-59"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-62	Fault word 2-bit14 fault code	3299	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-63	Fault word 2-bit14 fault subcode	3300	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-61"									
	Description: Same as"H10-61"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-64	Fault word 2-bit15 fault code	3301	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H10-65	Fault word 2-bit15 fault subcode	3302	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H10-63"									
	Description: Same as"H10-63"									

H11 Custom fault setting

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-00	Source of custom fault 1	4988	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Enabled 2: DI1 3: DI2 4: DI3 5: DI4 6: DI5 7: DI6 8: DIL 9: HDI1 10: HDI2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-01	Source of custom fault 2	4989	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-00"									
	Description: Same as"H11-00"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-02	Source of custom fault 3	4990	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-01"									
	Description: Same as"H11-01"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-03	Source of custom fault 4	4991	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: Same as"H11-02"									
	Description: Same as"H11-02"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-04	Source of custom fault 5	4992	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-03"									
	Description: Same as"H11-03"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-05	Source of custom fault 6	4993	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-04"									
	Description: Same as"H11-04"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-06	Source of custom fault 7	4994	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-05"									
	Description: Same as"H11-05"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-07	Source of custom fault 8	4995	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value:									

	Same as"H11-06"									
	Description： Same as"H11-06"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-08	Source of custom fault 9	4996	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： Same as"H11-07"									
	Description： Same as"H11-07"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-09	Source of custom fault 10	4997	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： Same as"H11-08"									
	Description： Same as"H11-08"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-10	Source of custom fault 11	4998	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： Same as"H11-09"									
	Description： Same as"H11-09"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-11	Source of custom fault 12	4999	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： Same as"H11-10"									

	Description: Same as"H11-10"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-12	Source of custom fault 13	5000	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-11"									
	Description: Same as"H11-11"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-13	Source of custom fault 14	5001	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-12"									
	Description: Same as"H11-12"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-14	Source of custom fault 15	5002	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-13"									
	Description: Same as"H11-13"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-15	Source of custom fault 16	5003	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-14"									
	Description:									

	Same as"H11-14"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-16	Source of custom alarm 1	5004	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-15"									
	Description: Same as"H11-15"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-17	Source of custom alarm 2	5005	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-16"									
	Description: Same as"H11-16"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-18	Source of custom alarm 3	5006	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-17"									
	Description: Same as"H11-17"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-19	Source of custom alarm 4	5007	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-18"									
	Description: Same as"H11-18"									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-20	Source of custom alarm 5	5008	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-19"									
	Description: Same as"H11-19"									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-21	Source of custom alarm 6	5009	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-20"									
	Description: Same as"H11-20"									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-22	Source of custom alarm 7	5010	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-21"									
	Description: Same as"H11-21"									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-23	Source of custom alarm 8	5011	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-22"									
	Description: Same as"H11-22"									

Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
H11-24	Source of custom alarm 9	5012	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-23"									
	Description: Same as"H11-23"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-25	Source of custom alarm 10	5013	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-24"									
	Description: Same as"H11-24"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-26	Source of custom alarm 11	5014	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-25"									
	Description: Same as"H11-25"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-27	Source of custom alarm 12	5015	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-26"									
	Description: Same as"H11-26"									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
H11-28	Source of custom alarm 13	5016	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-27"									
	Description: Same as"H11-27"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-29	Source of custom alarm 14	5017	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-28"									
	Description: Same as"H11-28"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-30	Source of custom alarm 15	5018	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-29"									
	Description: Same as"H11-29"									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
H11-31	Source of custom alarm 16	5019	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: Same as"H11-30"									
	Description: Same as"H11-30"									

L0 Word-to-bit function

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-00	Input of word-to-bit function 1	2047	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-01	Input of word-to-bit function 2	2048	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-02	Input of word-to-bit function 3	2049	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid									

	Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-03	Input of word-to-bit function 4	3339	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-04	Input of word-to-bit function 5	7442	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-05	Input of word-to-bit function	7443	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	6									
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-06	Input of word-to-bit function 7	7444	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-07	Input of word-to-bit function 8	7445	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L0-10	Bit00 selection for bit-to-word conversion function 1	2050	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-11	Bit01 selection for bit-to-word conversion function 1	2051	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-12	Bit02 selection for bit-to-word conversion	2052	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	function 1									
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-13	Bit03 selection for bit-to-word conversion function 1	2053	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-14	Bit04 selection for bit-to-word conversion function 1	2054	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-15	Bit05 selection for bit-to-word conversion function 1	2055	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-16	Defines the input data of bit6 of bit-to-word function 1.	2056	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L0-17	Bit07 selection for bit-to-word conversion function 1	2057	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-18	Bit08 selection for bit-to-word conversion function 1	2058	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-19	Bit09 selection for bit-to-word conversion	2059	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	function 1									
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-20	Bit10 selection for bit-to-word conversion function 1	2060	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-21	Bit11 selection for bit-to-word conversion function 1	2061	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-22	Bit12 selection for bit-to-word conversion function 1	2062	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-23	Bit13 selection for bit-to-word conversion function 1	2063	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L0-24	Bit14 selection for bit-to-word conversion function 1	2064	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-25	Bit15 selection for bit-to-word conversion function 1	2065	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-26	Bit00 selection for bit-to-word conversion	2066	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	function 2									
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-27	Bit01 selection for bit-to-word conversion function 2	2067	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-28	Bit02 selection for bit-to-word conversion function 2	2068	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-29	Bit03 selection for bit-to-word conversion function 2	2069	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-30	Bit04 selection for bit-to-word conversion function 2	2070	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L0-31	Bit05 selection for bit-to-word conversion function 2	2071	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-32	Defines the input data of bit6 of bit-to-word function 2.	2072	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-33	Bit07 selection for bit-to-word conversion	2073	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	function 2									
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-34	Bit08 selection for bit-to-word conversion function 2	2074	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-35	Bit09 selection for bit-to-word conversion function 2	2075	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-36	Bit10 selection for bit-to-word conversion function 2	2076	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-37	Bit11 selection for bit-to-word conversion function 2	2077	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L0-38	Bit12 selection for bit-to-word conversion function 2	2078	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-39	Bit13 selection for bit-to-word conversion function 2	2079	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-40	Bit14 selection for bit-to-word conversion	2080	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	function 2									
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-41	Bit15 selection for bit-to-word conversion function 2	2081	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-42	Bit00 selection for bit-to-word conversion function 3	2082	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-43	Bit01 selection for bit-to-word conversion function 3	2083	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-44	Bit02 selection for bit-to-word conversion function 3	2084	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L0-45	Bit03 selection for bit-to-word conversion function 3	2085	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-46	Bit04 selection for bit-to-word conversion function 3	2086	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-47	Bit05 selection for bit-to-word conversion	2087	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	function 3									
	Value： 0： Invalid Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-48	Defines the input data of bit6 of bit-to-word function 3.	2088	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-49	Bit07 selection for bit-to-word conversion function 3	2089	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-50	Bit08 selection for bit-to-word conversion function 3	2090	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-51	Bit09 selection for bit-to-word conversion function 3	2091	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L0-52	Bit10 selection for bit-to-word conversion function 3	2092	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-53	Bit11 selection for bit-to-word conversion function 3	2093	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-54	Bit12 selection for bit-to-word conversion	2094	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	function 3									
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-55	Bit13 selection for bit-to-word conversion function 3	2095	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-56	Bit14 selection for bit-to-word conversion function 3	2096	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-57	Bit15 selection for bit-to-word conversion function 3	2097	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-58	Bit00 selection for bit-to-word conversion function 4	2098	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L0-59	Bit01 selection for bit-to-word conversion function 4	2099	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-60	Bit02 selection for bit-to-word conversion function 4	2100	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-61	Bit03 selection for bit-to-word conversion	2101	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	function 4									
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-62	Bit04 selection for bit-to-word conversion function 4	2102	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-63	Bit05 selection for bit-to-word conversion function 4	2103	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									

	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-64	Defines the input data of bit6 of bit-to-word function 4.	2104	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-65	Bit07 selection for bit-to-word conversion function 4	2105	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L0-66	Bit08 selection for bit-to-word conversion function 4	2106	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-67	Bit09 selection for bit-to-word conversion function 4	2107	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-68	Bit10 selection for bit-to-word conversion	2108	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	function 4									
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-69	Bit11 selection for bit-to-word conversion function 4	2109	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-70	Bit12 selection for bit-to-word conversion function 4	2110	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-71	Bit13 selection for bit-to-word conversion function 4	2111	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-72	Bit14 selection for bit-to-word conversion function 4	2112	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L0-73	Bit15 selection for bit-to-word conversion function 4	2113	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-74	Positive and negative logic of word-to-bit function 1	6336	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Word-to-bit function 1 - bit0 selection	0: Not inverted 1: Inverted
bit1	Word-to-bit function 1 - bit1 selection	0: Not inverted 1: Inverted
bit2	Word-to-bit function 1 - bit2 is selected	0: Not inverted 1: Inverted
bit3	Word-to-bit function 1 - bit3 selection	0: Not inverted 1: Inverted
bit4	Word-to-bit function 1 - bit4 selection	0: Not inverted 1: Inverted
bit5	Word-to-bit function 1 - bit5 selection	0: Not inverted 1: Inverted

bit6	Word-to-bit function 1 - bit6 selection	0: Not inverted 1: Inverted
bit7	Word-to-bit function 1 - bit7 selection	0: Not inverted 1: Inverted
bit8	Word-to-bit function 1 - bit8 selection	0: Not inverted 1: Inverted
bit9	Word-to-bit function 1 - bit9 selection	0: Not inverted 1: Inverted
bit10	Word-to-bit function 1 - bit10 selection	0: Not inverted 1: Inverted
bit11	Word-to-bit function 1 - bit11 selection	0: Not inverted 1: Inverted
bit12	Word-to-bit function 1 - bit12 selection	0: Not inverted 1: Inverted
bit13	Word-to-bit function 1 - bit13 selection	0: Not inverted 1: Inverted
bit14	Word-to-bit function 1 - bit14 is selected	0: Not inverted 1: Inverted
bit15	Word-to-bit function 1 - bit15 selection	0: Not inverted 1: Inverted

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-75	Positive and negative logic of word-to-bit function 2	6337	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Word-to-bit function 2 - bit0 selection	0: Not inverted 1: Inverted

bit1	Word-to-bit function 2 - bit1 selection	0: Not inverted 1: Inverted
bit2	Word-to-bit function 2 - bit2 is selected	0: Not inverted 1: Inverted
bit3	Word-to-bit function 2 - bit3 selection	0: Not inverted 1: Inverted
bit4	Word-to-bit function 2 - bit4 selection	0: Not inverted 1: Inverted
bit5	Word-to-bit function 2 - bit5 selection	0: Not inverted 1: Inverted
bit6	Word-to-bit function 2 - bit6 selection	0: Not inverted 1: Inverted
bit7	Word-to-bit function 2 - bit7 selection	0: Not inverted 1: Inverted
bit8	Word-to-bit function 2 - bit8 selection	0: Not inverted 1: Inverted
bit9	Word-to-bit function 2 - bit9 selection	0: Not inverted 1: Inverted
bit10	Word-to-bit function 2 - bit10 selection	0: Not inverted 1: Inverted
bit11	Word-to-bit function 2 - bit11 selection	0: Not inverted 1: Inverted
bit12	Word-to-bit function 2 - bit12 selection	0: Not inverted 1: Inverted
bit13	Word-to-bit function 2 - bit13 selection	0: Not inverted 1: Inverted
bit14	Word-to-bit function 2 - bit14 is selected	0: Not inverted 1: Inverted
bit15	Word-to-bit function 2 - bit15 selection	0: Not inverted 1: Inverted

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-76	Positive and negative logic of	6338	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

	word-to-bit function 3									

Value:

Bit	Name	Value
bit0	Word-to-bit function 3 - bit0 selection	0: Not inverted 1: Inverted
bit1	Word-to-bit function 3 - bit1 selection	0: Not inverted 1: Inverted
bit2	Word-to-bit function 3 - bit2 is selected	0: Not inverted 1: Inverted
bit3	Word-to-bit function 3 - bit3 selection	0: Not inverted 1: Inverted
bit4	Word-to-bit function 3 - bit4 selection	0: Not inverted 1: Inverted
bit5	Word-to-bit function 3 - bit5 selection	0: Not inverted 1: Inverted
bit6	Word-to-bit function 3 - bit6 selection	0: Not inverted 1: Inverted
bit7	Word-to-bit function 3 - bit7 selection	0: Not inverted 1: Inverted
bit8	Word-to-bit function 3 - bit8 selection	0: Not inverted 1: Inverted
bit9	Word-to-bit function 3 - bit9 selection	0: Not inverted 1: Inverted
bit10	Word-to-bit function 3 - bit10 selection	0: Not inverted 1: Inverted
bit11	Word-to-bit function 3 - bit11 selection	0: Not inverted 1: Inverted
bit12	Word-to-bit function 3 - bit12 selection	0: Not inverted 1: Inverted
bit13	Word-to-bit function 3 - bit13 selection	0: Not inverted 1: Inverted
bit14	Word-to-bit function 3 - bit14 is selected	0: Not inverted 1: Inverted
bit15	Word-to-bit function 3 - bit15 selection	0: Not inverted 1: Inverted

Description:

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-77	Positive and negative logic of word-to-bit function 4	6339	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Word-to-bit function 4 - bit0 selection	0: Not inverted 1: Inverted
bit1	Word-to-bit function 4 - bit1 selection	0: Not inverted 1: Inverted
bit2	Word-to-bit function 4 - bit2 is selected	0: Not inverted 1: Inverted
bit3	Word-to-bit function 4 - bit3 selection	0: Not inverted 1: Inverted
bit4	Word-to-bit function 4 - bit4 selection	0: Not inverted 1: Inverted
bit5	Word-to-bit function 4 - bit5 selection	0: Not inverted 1: Inverted
bit6	Word-to-bit function 4 - bit6 selection	0: Not inverted 1: Inverted
bit7	Word-to-bit function 4 - bit7 selection	0: Not inverted 1: Inverted
bit8	Word-to-bit function 4 - bit8 selection	0: Not inverted 1: Inverted
bit9	Word-to-bit function 4 - bit9 selection	0: Not inverted 1: Inverted
bit10	Word-to-bit function 4 - bit10 selection	0: Not inverted 1: Inverted
bit11	Word-to-bit function 4 - bit11 selection	0: Not inverted 1: Inverted

bit12	Word-to-bit function 4 - bit12 selection	0: Not inverted 1: Inverted
bit13	Word-to-bit function 4 - bit13 selection	0: Not inverted 1: Inverted
bit14	Word-to-bit function 4 - bit14 is selected	0: Not inverted 1: Inverted
bit15	Word-to-bit function 4 - bit15 selection	0: Not inverted 1: Inverted

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-78	Positive and negative logic of bit-to-word function 1	6340	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value：

Bit	Name	Value
bit0	Bit-to-word function 1 - bit0 selection	0: Not inverted 1: Inverted
bit1	Bit-to-word function 1 - bit1 selection	0: Not inverted 1: Inverted
bit2	Bit-to-word function 1 - bit2 selection	0: Not inverted 1: Inverted
bit3	Bit-to-word function 1 - bit3 selection	0: Not inverted 1: Inverted
bit4	Bit-to-word function 1 - bit4 selection	0: Not inverted 1: Inverted
bit5	Bit-to-word function 1 - bit5 selection	0: Not inverted 1: Inverted
bit6	Bit-to-word function 1 - bit6 selection	0: Not inverted 1: Inverted

bit7	Bit-to-word function 1 - bit7 selection	0: Not inverted 1: Inverted
bit8	Bit-to-word function 1 - bit8 selection	0: Not inverted 1: Inverted
bit9	Bit-to-word function 1 - bit9 selection	0: Not inverted 1: Inverted
bit10	Bit-to-word function 1 - bit10 selection	0: Not inverted 1: Inverted
bit11	Bit-to-word function 1 - bit11 selection	0: Not inverted 1: Inverted
bit12	Bit-to-word function 1 - bit12 selection	0: Not inverted 1: Inverted
bit13	Bit-to-word function 1 - bit13 selection	0: Not inverted 1: Inverted
bit14	Bit-to-word function 1 - bit14 selection	0: Not inverted 1: Inverted
bit15	Bit-to-word function 1 - bit15 selection	0: Not inverted 1: Inverted

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-79	Positive and negative logic of bit-to-word function 2	6341	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Bit-to-word function 2 - bit0 selection	0: Not inverted 1: Inverted
bit1	Bit-to-word function 2 - bit1 selection	0: Not inverted 1: Inverted

bit2	Bit-to-word function 2 - bit2 selection	0: Not inverted 1: Inverted
bit3	Bit-to-word function 2 - bit3 selection	0: Not inverted 1: Inverted
bit4	Bit-to-word function 2 - bit4 selection	0: Not inverted 1: Inverted
bit5	Bit-to-word function 2 - bit5 selection	0: Not inverted 1: Inverted
bit6	Bit-to-word function 2 - bit6 selection	0: Not inverted 1: Inverted
bit7	Bit-to-word function 2 - bit7 selection	0: Not inverted 1: Inverted
bit8	Bit-to-word function 2 - bit8 selection	0: Not inverted 1: Inverted
bit9	Bit-to-word function 2 - bit9 selection	0: Not inverted 1: Inverted
bit10	Bit-to-word function 2 - bit10 selection	0: Not inverted 1: Inverted
bit11	Bit-to-word function 2 - bit11 selection	0: Not inverted 1: Inverted
bit12	Bit-to-word function 2 - bit12 selection	0: Not inverted 1: Inverted
bit13	Bit-to-word function 2 - bit13 selection	0: Not inverted 1: Inverted
bit14	Bit-to-word function 2 - bit14 selection	0: Not inverted 1: Inverted
bit15	Bit-to-word function 2 - bit15 selection	0: Not inverted 1: Inverted

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-80	Positive and negative logic of bit-to-word	6342	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

function 3										

Value:

Bit	Name	Value
bit0	Bit-to-word function 3 - bit0 selection	0: Not inverted 1: Inverted
bit1	Bit-to-word function 3 - bit1 selection	0: Not inverted 1: Inverted
bit2	Bit-to-word function 3 - bit2 selection	0: Not inverted 1: Inverted
bit3	Bit-to-word function 3 - bit3 selection	0: Not inverted 1: Inverted
bit4	Bit-to-word function 3 - bit4 selection	0: Not inverted 1: Inverted
bit5	Bit-to-word function 3 - bit5 selection	0: Not inverted 1: Inverted
bit6	Bit-to-word function 3 - bit6 selection	0: Not inverted 1: Inverted
bit7	Bit-to-word function 3 - bit7 selection	0: Not inverted 1: Inverted
bit8	Bit-to-word function 3 - bit8 selection	0: Not inverted 1: Inverted
bit9	Bit-to-word function 3 - bit9 selection	0: Not inverted 1: Inverted
bit10	Bit-to-word function 3 - bit10 selection	0: Not inverted 1: Inverted
bit11	Bit-to-word function 3 - bit11 selection	0: Not inverted 1: Inverted
bit12	Bit-to-word function 3 - bit12 selection	0: Not inverted 1: Inverted
bit13	Bit-to-word function 3 - bit13 selection	0: Not inverted 1: Inverted
bit14	Bit-to-word function 3 - bit14 selection	0: Not inverted 1: Inverted
bit15	Bit-to-word function 3 - bit15 selection	0: Not inverted 1: Inverted

Description:

null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-81	Positive and negative logic of bit-to-word function 4	6343	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Bit-to-word function 4 - bit0 selection	0: Not inverted 1: Inverted
bit1	Bit-to-word function 4 - bit1 selection	0: Not inverted 1: Inverted
bit2	Bit-to-word function 4 - bit2 selection	0: Not inverted 1: Inverted
bit3	Bit-to-word function 4 - bit3 selection	0: Not inverted 1: Inverted
bit4	Bit-to-word function 4 - bit4 selection	0: Not inverted 1: Inverted
bit5	Bit-to-word function 4 - bit5 selection	0: Not inverted 1: Inverted
bit6	Bit-to-word function 4 - bit6 selection	0: Not inverted 1: Inverted
bit7	Bit-to-word function 4 - bit7 selection	0: Not inverted 1: Inverted
bit8	Bit-to-word function 4 - bit8 selection	0: Not inverted 1: Inverted
bit9	Bit-to-word function 4 - bit9 selection	0: Not inverted 1: Inverted
bit10	Bit-to-word function 4 - bit10 selection	0: Not inverted 1: Inverted
bit11	Bit-to-word function 4 - bit11 selection	0: Not inverted 1: Inverted
bit12	Bit-to-word function 4 - bit12 selection	0: Not inverted 1: Inverted

bit13	Bit-to-word function 4 - bit13 selection	0: Not inverted 1: Inverted
bit14	Bit-to-word function 4 - bit14 selection	0: Not inverted 1: Inverted
bit15	Bit-to-word function 4 - bit15 selection	0: Not inverted 1: Inverted

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-82	Positive and negative logic of word-to-bit function 5	7446	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Word-to-bit function 5 - bit0 selection	0: Not inverted 1: Inverted
bit1	Word-to-bit function 5 - bit1 selection	0: Not inverted 1: Inverted
bit2	Word-to-bit function 5 - bit2 is selected	0: Not inverted 1: Inverted
bit3	Word-to-bit function 5 - bit3 selection	0: Not inverted 1: Inverted
bit4	Word-to-bit function 5 - bit4 selection	0: Not inverted 1: Inverted
bit5	Word-to-bit function 5 - bit5 selection	0: Not inverted 1: Inverted
bit6	Word-to-bit function 5 - bit6 selection	0: Not inverted 1: Inverted
bit7	Word-to-bit function 5 - bit7 selection	0: Not inverted 1: Inverted

bit8	Word-to-bit function 5 - bit8 selection	0: Not inverted 1: Inverted
bit9	Word-to-bit function 5 - bit9 selection	0: Not inverted 1: Inverted
bit10	Word-to-bit function 5 - bit10 selection	0: Not inverted 1: Inverted
bit11	Word-to-bit function 5 - bit11 selection	0: Not inverted 1: Inverted
bit12	Word-to-bit function 5 - bit12 selection	0: Not inverted 1: Inverted
bit13	Word-to-bit function 5 - bit13 selection	0: Not inverted 1: Inverted
bit14	Word-to-bit function 5 - bit14 is selected	0: Not inverted 1: Inverted
bit15	Word-to-bit function 5 - bit15 selection	0: Not inverted 1: Inverted

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-83	Positive and negative logic of word-to-bit function 6	7447	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Word-to-bit function 6 - bit0 selection	0: Not inverted 1: Inverted
bit1	Word-to-bit function 6 - bit1 selection	0: Not inverted 1: Inverted
bit2	Word-to-bit function 6 - bit2 is selected	0: Not inverted 1: Inverted

	bit3	Word-to-bit function 6 - bit3 selection	0: Not inverted 1: Inverted
	bit4	Word-to-bit function 6 - bit4 selection	0: Not inverted 1: Inverted
	bit5	Word-to-bit function 6 - bit5 selection	0: Not inverted 1: Inverted
	bit6	Word-to-bit function 6 - bit6 selection	0: Not inverted 1: Inverted
	bit7	Word-to-bit function 6 - bit7 selection	0: Not inverted 1: Inverted
	bit8	Word-to-bit function 6 - bit8 selection	0: Not inverted 1: Inverted
	bit9	Word-to-bit function 6 - bit9 selection	0: Not inverted 1: Inverted
	bit10	Word-to-bit function 6 - bit10 selection	0: Not inverted 1: Inverted
	bit11	Word-to-bit function 6 - bit11 selection	0: Not inverted 1: Inverted
	bit12	Word-to-bit function 6 - bit12 selection	0: Not inverted 1: Inverted
	bit13	Word-to-bit function 6 - bit13 selection	0: Not inverted 1: Inverted
	bit14	Word-to-bit function 6 - bit14 is selected	0: Not inverted 1: Inverted
	bit15	Word-to-bit function 6 - bit15 selection	0: Not inverted 1: Inverted
	Description: null		

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L0-84	Positive and negative logic of word-to-bit function 7	7448	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Word-to-bit function 7 - bit0 selection	0: Not inverted 1: Inverted
bit1	Word-to-bit function 7 - bit1 selection	0: Not inverted 1: Inverted
bit2	Word-to-bit function 7 - bit2 is selected	0: Not inverted 1: Inverted
bit3	Word-to-bit function 7 - bit3 selection	0: Not inverted 1: Inverted
bit4	Word-to-bit function 7 - bit4 selection	0: Not inverted 1: Inverted
bit5	Word-to-bit function 7 - bit5 selection	0: Not inverted 1: Inverted
bit6	Word-to-bit function 7 - bit6 selection	0: Not inverted 1: Inverted
bit7	Word-to-bit function 7 - bit7 selection	0: Not inverted 1: Inverted
bit8	Word-to-bit function 7 - bit8 selection	0: Not inverted 1: Inverted
bit9	Word-to-bit function 7 - bit9 selection	0: Not inverted 1: Inverted
bit10	Word-to-bit function 7 - bit10 selection	0: Not inverted 1: Inverted
bit11	Word-to-bit function 7 - bit11 selection	0: Not inverted 1: Inverted
bit12	Word-to-bit function 7 - bit12 selection	0: Not inverted 1: Inverted
bit13	Word-to-bit function 7 - bit13 selection	0: Not inverted 1: Inverted
bit14	Word-to-bit function 7 - bit14 is selected	0: Not inverted 1: Inverted
bit15	Word-to-bit function 7 - bit15 selection	0: Not inverted 1: Inverted

Description:

null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L0-85	Positive and negative logic of word-to-bit function 8	7449	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Word-to-bit function 8 - bit0 selection	0: Not inverted 1: Inverted
bit1	Word-to-bit function 8 - bit1 selection	0: Not inverted 1: Inverted
bit2	Word-to-bit function 8 - bit2 is selected	0: Not inverted 1: Inverted
bit3	Word-to-bit function 8 - bit3 selection	0: Not inverted 1: Inverted
bit4	Word-to-bit function 8 - bit4 selection	0: Not inverted 1: Inverted
bit5	Word-to-bit function 8 - bit5 selection	0: Not inverted 1: Inverted
bit6	Word-to-bit function 8 - bit6 selection	0: Not inverted 1: Inverted
bit7	Word-to-bit function 8 - bit7 selection	0: Not inverted 1: Inverted
bit8	Word-to-bit function 8 - bit8 selection	0: Not inverted 1: Inverted
bit9	Word-to-bit function 8 - bit9 selection	0: Not inverted 1: Inverted
bit10	Word-to-bit function 8 - bit10 selection	0: Not inverted 1: Inverted
bit11	Word-to-bit function 8 - bit11 selection	0: Not inverted 1: Inverted
bit12	Word-to-bit function 8 - bit12 selection	0: Not inverted 1: Inverted
bit13	Word-to-bit function 8 - bit13 selection	0: Not inverted 1: Inverted

	bit14	Word-to-bit function 8 - bit14 is selected	0: Not inverted 1: Inverted	
	bit15	Word-to-bit function 8 - bit15 selection	0: Not inverted 1: Inverted	
	Description: null			

L2 Logical operation function

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-00	Input 1 of logical AND module A	2301	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-01	Input 2 of logical AND module A	2302	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-02	Input 3 of logical AND	2303	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time

	module A									
	Value: 1: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-03	Input 4 of logical AND module A	2304	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-04	Input 1 of logical AND module B	2305	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-05	Input 2 of logical AND module B	2306	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Invalid Others: B connector									
	Description:									

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-06	Input 3 of logical AND module B	2307	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-07	Input 4 of logical AND module B	2308	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-08	Input 1 of logical AND module C	2309	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-09	Input 2 of	2310	Refer to	-	1	UInt16	1	In real	General	In real

	logical AND module C		"Value"					time	user	time
	Value: 1: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-10	Input 3 of logical AND module C	2311	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-11	Input 4 of logical AND module C	2312	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-12	Input 1 of logical AND module D	2313	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Invalid									

	Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-13	Input 2 of logical AND module D	2314	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value： 1： Invalid Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-14	Input 3 of logical AND module D	2315	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value： 1： Invalid Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-15	Input 4 of logical AND module D	2316	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value： 1： Invalid Others： B connector									
	Description： null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
L2-16	Input of logical NOT module A	2317	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-17	Input of logic NOT module B	2318	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-18	Input of logic NOT module C	2319	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-19	Input of logic NOT module D	2320	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-20	Input of logic NOT module E	2321	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-21	Input of logic NOT module F	2322	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-22	Input of logic NOT module G	2323	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-23	Input of logic NOT module H	2324	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-24	Input 1 of logic OR module A	2325	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-25	Input 2 of logic OR module A	2326	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-26	Input 3 of logic OR module A	2327	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L2-27	Input 4 of logic OR module A	2328	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-28	Input 1 of logic OR module B	2329	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-29	Input 2 of logic OR module B	2330	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-30	Input 3 of logic OR module B	2331	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-31	Input 4 of logic OR module B	2332	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-32	Input 1 of logic OR module C	2333	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-33	Input 2 of logic OR module C	2334	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-34	Input 3 of logic OR module C	2335	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid									

	Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-35	Input 4 of logic OR module C	2336	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-36	Input 1 of logic OR module D	2337	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-37	Input 2 of logic OR module D	2338	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-38	Input 3 of logic OR	2339	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	module D									
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-39	Input 4 of logic OR module D	2340	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-40	Function selection for logic XOR/XNOR module A	2591	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: XOR 1: XNOR									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-41	Input 1 of logic XOR/XNOR module A	2595	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid									

	Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-42	Input 2 of logic XOR/XNOR module A	2596	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-43	Function selection for logic XOR/XNOR module B	2592	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： XOR 1： XNOR									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-44	Input 1 of logic XOR/XNOR module B	2597	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-45	Input 2 of logic XOR/XNOR module B	2598	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-46	Function selection for logic XOR/XNOR module C	2593	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: XOR 1: XNOR									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-47	Input 1 of logic XOR/XNOR module C	2599	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description:									

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-48	Input 2 of logic XOR/XNOR module C	2600	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-49	Function selection for logic XOR/XNOR module D	2594	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: XOR 1: XNOR									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-50	Input 1 of logic XOR/XNOR module D	2601	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-51	Input 2 of logic XOR/XNOR module D	2602	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-60	Function selection for logic AND-OR module A	3347	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: AND 2: OR									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-61	Input 1 of logical AND/OR module A	3355	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
L2-62	Input 2 of logical AND/OR module A	3363	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-63	Input 3 of logical AND/OR module A	3371	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-64	Function selection for logic AND-OR module B	3348	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: AND 2: OR									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-65	Input 1 of logical	3356	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	AND/OR module B									
	Value: 0: Logic 0 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-66	Input 2 of logical AND/OR module B	3364	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-67	Input 3 of logical AND/OR module B	3372	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-68	Function selection for logic AND-OR module C	3349	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled									

	1：AND 2：OR									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-69	Input 1 of logical AND/OR module C	3357	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Logic 0 Others：B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-70	Input 2 of logical AND/OR module C	3365	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Logic 0 Others：B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-71	Input 3 of logical AND/OR module C	3373	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Logic 0 Others：B connector									
	Description： null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
L2-72	Function selection for logic AND-OR module D	3350	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: AND 2: OR									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-73	Input 1 of logic AND-OR module D	3358	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-74	Input 2 of logic AND-OR module D	3366	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-75	Input 3 of	3374	Refer to	-	0	UInt16	1	In real	General	In real

	logic AND-OR module D		"Value"					time	user	time
	Value: 0: Logic 0 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-76	Function selection for logic AND-OR module E	3351	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: AND 2: OR									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-77	Input 1 of logic AND-OR module E	3359	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-78	Input 2 of logic AND-OR module E	3367	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: Logic 0 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-79	Input 3 of logic AND-OR module E	3375	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-80	Function selection for logic AND-OR module F	3352	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: AND 2: OR									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-81	Input 1 of logic AND-OR module F	3360	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-82	Input 2 of logic AND-OR module F	3368	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-83	Input 3 of logic AND-OR module F	3376	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-84	Function selection for logic AND-OR module G	3353	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: AND 2: OR									
	Description: null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
L2-85	Input 1 of logic AND-OR module G	3361	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-86	Input 2 of logic AND-OR module G	3369	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-87	Input 3 of logic AND-OR module G	3377	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-88	Function selection for logic	3354	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	AND-OR module H									
	Value: 0: Disabled 1: AND 2: OR									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-89	Input 1 of logic AND-OR module H	3362	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-90	Input 2 of logic AND-OR module H	3370	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L2-91	Input 3 of logic AND-OR module H	3378	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Logic 0									

	Others： B connector
	Description： null

L3 Word-to-Double word function

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-00	Base value coefficient for word-to-double word conversion	4224	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value：

Bit	Name	Value
bit0	Word-to-double word 1	0: x 65536 1: x 1
bit1	Word-to-double word 2	0: x 65536 1: x 1
bit2	Word-to-double word 3	0: x 65536 1: x 1
bit3	Word-to-double word 4	0: x 65536 1: x 1
bit4	Word-to-double word 5	0: x 65536 1: x 1

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-01	High word of word-to-	2352	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	double word 1									
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-02	Low word of word-to-double word 1	2353	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-03	Base value of word-to-double word 1	2354	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-04	High word of word-to-double word 2	2355	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value:									

	0：Invalid Others：K connector
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-05	Low word of word-to-double word 2	2356	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid Others：K connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-06	Base value of word-to-double word 2	2357	-	-	0	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-07	High word of word-to-double word 3	2358	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid Others：K connector									
	Description：									

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-08	Low word of word-to-double word 3	2359	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-09	Base value of word-to-double word 3	2360	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-10	High word of word-to-double word 4	4229	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
L3-11	Low word of word-to-double word 4	4230	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-12	Base value of word-to-double word 4	4231	-	-	0	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-13	High word of word-to-double word 5	4232	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-14	Low word of word-	4233	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	to-double word 5									
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-15	Base value of word-to-double word 5	4234	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-25	Base value coefficient for double word-to-word	4225	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Double word-to-word 1	0: x 65536 1: x 1
bit1	Double word-to-word 2	0: x 65536 1: x 1
bit2	Double word-to-word 3	0: x 65536 1: x 1
bit3	Double word-to-word 4	0: x 65536 1: x 1
bit4	Double word-to-word 5	0: x 65536 1: x 1

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-26	Selection of double word-to-word 1	2361	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-27	Base value of double word-to-word 1	2362	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-28	Selection of double word-to-word 2	2363	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
L3-29	Base value of double word-to-word 2	2364	-	-	0	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-30	Selection of double word-to-word 3	2365	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-31	Base value of double word-to-word 3	2366	-	-	0	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-32	Selection of double word-to-word 4	4235	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									

	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-33	Base value of double word-to-word 4	4236	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-34	Selection of double word-to-word 5	4237	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L3-35	Base value of double word-to-word 5	4238	-	-	0	UInt16	1	In real time	General user	In real time

L5 Switch function block

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L5-00	Input selection of binary selector module 1	2603	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-01	Input 1 of binary selector module 1	2605	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-02	Input 2 of binary selector module 1	2606	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-03	Input selection of binary	2604	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	selector module 2									
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-04	Input 1 of binary switch module 2	2607	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-05	Input 2 of binary switch module 2	2608	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-06	Input selection of binary selector module 3	3089	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value:									

	0：Input 1 1：Input 2 Others：B connector
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-07	Input 1 of binary switch module 3	3091	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid Others：B connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-08	Input 2 of binary switch module 3	3092	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid Others：B connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-09	Input selection of binary selector module 4	3090	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Input 1 1：Input 2 Others：B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-10	Input 1 of binary switch module 4	3093	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-11	Input 2 of binary switch module 4	3094	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-12	Input selection of binary selector module 5	3381	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
L5-13	Input 1 of binary switch module 5	3385	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-14	Input 2 of binary switch module 5	3389	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-15	Input selection of binary selector module 6	3382	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-16	Input 1 of	3386	Refer to	-	0	UInt16	1	In real	General	In real

	binary switch module 6		"Value"					time	user	time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-17	Input 2 of binary switch module 6	3390	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-18	Input selection of binary selector module 7	3383	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-19	Input 1 of binary switch module 7	3387	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-20	Input 2 of binary switch module 7	3391	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-21	Input selection of binary selector module 8	3384	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-22	Input 1 of binary switch module 8	3388	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-23	Input 2 of binary switch module 8	3392	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-24	Input selection of binary selector module 9	8020	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-25	Input 1 of binary switch module 9	8022	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
L5-26	Input 2 of binary switch module 9	8024	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-27	Input selection of binary selector module 10	8021	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-28	Input 1 of binary switch module 10	8023	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communi cation	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
L5-29	Input 2 of binary switch module 10	8025	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-30	Input selection for numeric switch module 1	2609	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-31	Input 1 of numeric switch module 1	2611	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L5-32	Input 2 of numeric switch module 1	2612	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-33	Input selection for numeric switch module 2	2610	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-34	Input 1 of numeric switch module 2	2613	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-35	Input 2 of numeric	2614	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	switch module 2									
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-36	Input selection for numeric switch module 3	3095	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-37	Input 1 of numeric switch module 3	3097	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-38	Input 2 of numeric switch module 3	3098	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: Invalid Others: K connector
	Description: null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-39	Input selection for numeric switch module 4	3096	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-40	Input 1 of numeric switch module 4	3099	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-41	Input 2 of numeric switch module 4	3100	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid									

	Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-42	Input selection for numeric switch module 5	3393	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Input 1 1： Input 2 Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-43	Input 1 of numeric switch module 5	3397	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-44	Input 2 of numeric switch module 5	3401	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： K connector									
	Description：									

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-45	Input selection for numeric switch module 6	3394	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-46	Input 1 of numeric switch module 6	3398	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-47	Input 2 of numeric switch module 6	3402	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
L5-48	Input selection for numeric switch module 7	3395	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-49	Input 1 of numeric switch module 7	3399	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-50	Input 2 of numeric switch module 7	3403	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L5-51	Input selection for numeric switch module 8	3396	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-52	Input 1 of numeric switch module 8	3400	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-53	Input 2 of numeric switch module 8	3404	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-54	Input selection	1085	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	for numeric switch module 9									
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-55	Input 1 of numeric switch module 9	1089	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-56	Input 2 of numeric switch module 9	1093	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-57	Input selection for numeric	1086	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	switch module 10									
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-58	Input 1 of numeric switch module 10	1090	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-59	Input 2 of numeric switch module 10	1094	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-60	Input selection for	1087	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	numeric switch module 11									
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-61	Input 1 of numeric switch module 11	1091	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-62	Input 2 of numeric switch module 11	1095	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-63	Input selection	1088	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	for numeric switch module 12									
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-64	Input 1 of numeric switch module 12	1092	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-65	Input 2 of numeric switch module 12	1096	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-66	Input	1069	Refer to	-	0	UInt16	1	In real	General	In real

	selection for numeric switch module 13		"Value"					time	user	time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-67	Input 1 of numeric switch module 13	1073	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-68	Input 2 of numeric switch module 13	1077	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L5-69	Input selection for numeric switch module 14	1070	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-70	Input 1 of numeric switch module 14	1074	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-71	Input 2 of numeric switch module 14	1078	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
L5-72	Input selection for numeric switch module 15	1071	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-73	Input 1 of numeric switch module 15	1075	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-74	Input 2 of numeric switch module 15	1079	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
L5-75	Input selection for numeric switch module 16	1072	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 1: Input 2 Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-76	Input 1 of numeric switch module 16	1076	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L5-77	Input 2 of numeric switch module 16	1080	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

L6 Control function block

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-00	Function selection for filter module A	2615	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Filtered 1: Not filtered Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-01	Input of filter module A	2619	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-02	Filter time of filter module A	2623	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-03	Function selection for filter module B	2616	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value:									

	0：Filtered 1：Not filtered Others：B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-04	Input of filter module B	2620	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Input 0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-05	Filter time of filter module B	2624	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-06	Function selection for filter module C	2617	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value： 0：Filtered 1：Not filtered Others：B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-07	Input of filter	2621	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	module C									
	Value: 0: Input 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-08	Filter time of filter module C	2625	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-09	Function selection for filter module D	2618	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Filtered 1: Not filtered Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-10	Input of filter module D	2622	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-11	Filter	2626	-	s	0	UInt16	0.001	In real	General	In real

	time of filter module D							time	user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-12	Function selection for level-to-pulse conversion module A	2627	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Level to pulse 1: Pulse to level									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-13	Input of level-to-pulse module A	2631	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-14	Pulse output time of level-to-pulse conversion module A	2635	-	s	0.1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
L6-15	Function selection for level-pulse conversion module B	2628	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Level to pulse 1: Pulse to level									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-16	Input of level-pulse conversion module B	2632	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-17	Pulse output time of level-pulse conversion module B	2636	-	s	0.1	UInt16	0.01	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L6-18	Function selection for level-pulse conversion module C	2629	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Level to pulse 1: Pulse to level									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-19	Input of level-pulse conversion module C	2633	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-20	Pulse output time of level-pulse conversion module C	2637	-	s	0.1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-21	Function selection	2630	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	for level-pulse conversion module D									
	Value: 0: Level to pulse 1: Pulse to level									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-22	Input of level-pulse conversion module D	2634	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-23	Pulse output time of level-pulse conversion module D	2638	-	s	0.1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-24	Input of logical delay module A	2395	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-25	Function selection of logical delay module A	2399	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-on delay 1: Switch-off delay 2: Bidirectional delay									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-26	Delay of logical delay module A	2403	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-27	Time unit of logical delay module A	1620	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0.01s 1: 0.1s 2: 1s									
	Description: null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
L6-28	Input of logical delay module B	2396	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-29	Function selection of logical delay module B	2400	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-on delay 1: Switch-off delay 2: Bidirectional delay									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-30	Delay of logical delay module B	2404	-	-	0	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-31	Time unit of logical delay module B	1621	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0.01s 1: 0.1s									

	2：1s									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-32	Input of logical delay module C	2397	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid Others：B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-33	Function selection of logical delay module C	2401	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Switch-on delay 1：Switch-off delay 2：Bidirectional delay									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-34	Delay of logical delay module C	2405	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-35	Time unit of logical delay	1622	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	module C									
	Value: 0: 0.01s 1: 0.1s 2: 1s									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-36	Input of logical delay module D	2398	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-37	Function selection of logical delay module D	2402	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-on delay 1: Switch-off delay 2: Bidirectional delay									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-38	Delay of logical delay module D	2406	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
L6-39	Time unit of logical delay module D	1623	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0.01s 1: 0.1s 2: 1s									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-40	Input of logical delay module E	2407	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-41	Function selection for logical delay module E	2411	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-on delay 1: Switch-off delay 2: Bidirectional delay									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L6-42	Delay time of logical delay module E	2415	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-43	Time unit of logical delay module E	977	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0.01s 1: 0.1s 2: 1s									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-44	Input of logical delay module F	2408	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-45	Function selection for logical delay module F	2412	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-on delay 1: Switch-off delay									

	2：Bidirectional delay									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-46	Delay time of logical delay module F	2416	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-47	Time unit of logical delay module F	978	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0.01s 1：0.1s 2：1s									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-48	Input of logical delay module G	2409	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid Others：B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-49	Function selection for logical	2413	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	delay module G									
	Value: 0: Switch-on delay 1: Switch-off delay 2: Bidirectional delay									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-50	Delay time of logical delay module G	2417	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-51	Time unit of logical delay module G	979	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0.01s 1: 0.1s 2: 1s									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-52	Input of logical delay module H	2410	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-53	Function selection for logical delay module H	2414	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Switch-on delay 1: Switch-off delay 2: Bidirectional delay									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-54	Delay time of logical delay module H	2418	-	-	0	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-55	Time unit of logical delay module H	980	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0.01s 1: 0.1s 2: 1s									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-56	Cycle of pulse generator module 1	5118	-	s	0	UInt16	0.01	In real time	General user	In real time

L6-57	Duty cycle of pulse generator module 1	1035	-	%	50.00	UInt16	0.01	In real time	General user	In real time
L6-58	Cycle of pulse generator module 2	5119	-	s	0	UInt16	0.001	In real time	General user	In real time
L6-59	Duty cycle of pulse generator module 2	1036	-	%	50.00	UInt16	0.01	In real time	General user	In real time
L6-60	Cycle of pulse generator module 3	5120	-	s	0	UInt16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L6-61	Duty cycle of pulse generator module 3	1037	-	%	50.00	UInt16	0.01	In real time	General user	In real time

L7 Algorism function block

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-00	Input of absolute value module A	2639	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-01	Input of absolute value module B	2640	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-02	Input of absolute value module C	2641	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-03	Input of absolute value module D	2642	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-04	Input 1 of ADD/SUB	2643	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	TRACT module A (ADD)									
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-05	Input 2 of ADD/SUB TRACT module A (ADD)	2644	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-06	Input 3 of ADD/SUB TRACT module A (ADD)	2645	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-07	Input 4 of ADD/SUB TRACT module A	2646	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	(SUBTRACT)									
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-08	Input 1 of ADD/SUBTRACT module B (ADD)	2647	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-09	Input 2 of ADD/SUBTRACT module B (ADD)	2648	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-10	Input 3 of ADD/SUBTRACT module B (ADD)	2649	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-11	Input 4 of ADD/SUBTRACT module B (SUBTRACT)	2650	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-12	Input 1 of ADD/SUBTRACT module C (ADD)	2651	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-13	Input 2 of ADD/SUBTRACT module C (ADD)	2652	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value:									

	0：Invalid Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-14	Input 3 of ADD/SUBTRACT module C (ADD)	2653	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-15	Input 4 of ADD/SUBTRACT module C (SUBTRACT)	2654	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-16	Input 1 of ADD/SUBTRACT module D (ADD)	2655	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid									

	Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-17	Input 2 of ADD/SUBTRACT module D (ADD)	2656	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-18	Input 3 of ADD/SUBTRACT module D (ADD)	2657	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-19	Input 4 of ADD/SUBTRACT module D (SUBTRACT)	2658	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： K connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-20	Input 1 of MULTIPLY /DIVIDE module A (MULTIPLY)	2659	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Inhibited Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-21	Input 2 of MULTIPLY /DIVIDE module A (MULTIPLY)	2660	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Not used in calculation Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-22	Input 3 of MULTIPLY /DIVIDE module A (DIVIDE)	2661	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Not used in calculation Others: K connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-23	Input 1 of MULTIPLY /DIVIDE module B (MULTIPLY)	2662	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Inhibited Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-24	Input 2 of MULTIPLY /DIVIDE module B (MULTIPLY)	2663	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Not used in calculation Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-25	Input 3 of MULTIPLY /DIVIDE module B (DIVIDE)	2664	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Not used in calculation Others: K connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-26	Input 1 of MULTIPLY/DIVIDE module C (MULTIPLY)	2665	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Inhibited Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-27	Input 2 of MULTIPLY/DIVIDE module C (MULTIPLY)	2666	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Not used in calculation Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-28	Input 3 of MULTIPLY/DIVIDE module C (DIVIDE)	2667	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Not used in calculation Others: K connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-29	Input 1 of MULTIPLY /DIVIDE module D (MULTIPLY)	2668	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Inhibited Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-30	Input 2 of MULTIPLY /DIVIDE module D (MULTIPLY)	2669	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Not used in calculation Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-31	Input 3 of MULTIPLY /DIVIDE module D (DIVIDE)	2670	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Not used in calculation Others: K connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-32	Function selection for comparison module A	2671	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 > Input 2 1: Input 1 < Input 2 2: Input 1 = Input 2									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-33	Input 1 of comparison module A	2673	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-34	Input 2 of comparison module A	2674	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-35	Hysteresis input of comparison module A	2675	-	%	0.0	UInt16	0.1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-36	Function selection for comparison module B	2672	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 > Input 2 1: Input 1 < Input 2 2: Input 1 = Input 2									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-37	Input 1 of comparison module B	2676	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-38	Input 2 of comparison module B	2677	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-39	Hysteresis input of comparison module B	2678	-	%	0.0	UInt16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-40	Function selection for comparison module C	3101	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 > Input 2 1: Input 1 < Input 2 2: Input 1 = Input 2									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-41	Input 1 of comparison module C	3103	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
L7-42	Input 2 of comparison module C	3104	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-43	Hysteresis input of comparison module C	3105	-	%	0.0	UInt16	0.1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-44	Function selection for comparison module D	3102	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Input 1 > Input 2 1: Input 1 < Input 2 2: Input 1 = Input 2									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-45	Input 1 of comparison module D	3106	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value:									

	0：Invalid Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-46	Input 2 of comparison module D	3107	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-47	Hysteresis input of comparison module D	3108	-	%	0.0	UInt16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-48	Function selection for comparison module E	3417	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Input 1 > Input 2 1：Input 1 < Input 2 2：Input 1 = Input 2									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L7-49	Input 1 of comparison module E	3421	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-50	Input 2 of comparison module E	3425	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-51	Hysteresis input of comparison module E	3341	-	%	0.0	UInt16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-60	Input of limit module A	3405	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
L7-61	Upper limit of limiter module A	3409	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-62	Lower limit of limit module A	3413	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-63	Input of limiter module B	3406	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-64	Upper limit of limiter module B	3410	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-65	Lower limit of limiter module B	3414	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-66	Input of limiter module C	3407	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-67	Upper limit of limiter module C	3411	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
L7-68	Lower limit of limiter module C	3415	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-69	Input of limiter module D	3408	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-70	Upper limit of limiter module D	3412	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L7-71	Lower limit of limiter module D	3416	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value： 0： Invalid Others： K connector
	Description： null

L8 Multi-point curve module

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L8-00	Input of multi-point curve module A	2770	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L8-01	Setpoint X1 of multi-point curve module A	2771	-	%	0.0	Int16	0.1	In real time	General user	In real time
L8-02	Setpoint Y1 of multi-point curve module A	2781	-	%	0.0	Int16	0.1	In real time	General user	In real time
L8-03	Setpoint X2 of multi-point curve	2772	-	%	10.0	Int16	0.1	In real time	General user	In real time

	module A									
L8-04	Setpoint Y2 of multi-point curve module A	2782	-	%	10.0	Int16	0.1	In real time	General user	In real time
L8-05	Setpoint X3 of multi-point curve module A	2773	-	%	20.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L8-06	Setpoint Y3 of multi-point curve module A	2783	-	%	20.0	Int16	0.1	In real time	General user	In real time
L8-07	Setpoint X4 of multi-point curve module A	2774	-	%	30.0	Int16	0.1	In real time	General user	In real time
L8-08	Setpoint Y4 of multi-point curve module A	2784	-	%	30.0	Int16	0.1	In real time	General user	In real time
L8-09	Setpoint X5 of multi-point curve module A	2775	-	%	40.0	Int16	0.1	In real time	General user	In real time
L8-10	Setpoint Y5 of	2785	-	%	40.0	Int16	0.1	In real time	General user	In real time

	multi-point curve module A									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L8-11	Setpoint X6 of multi-point curve module A	2776	-	%	50.0	Int16	0.1	In real time	General user	In real time
L8-12	Setpoint Y6 of multi-point curve module A	2786	-	%	50.0	Int16	0.1	In real time	General user	In real time
L8-13	Setpoint X7 of multi-point curve module A	2777	-	%	60.0	Int16	0.1	In real time	General user	In real time
L8-14	Setpoint Y7 of multi-point curve module A	2787	-	%	60.0	Int16	0.1	In real time	General user	In real time
L8-15	Setpoint X8 of multi-point curve module A	2778	-	%	70.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L8-16	Setpoint Y8 of	2788	-	%	70.0	Int16	0.1	In real time	General user	In real time

	multi-point curve module A									
L8-17	Setpoint X9 of multi-point curve module A	2779	-	%	80.0	Int16	0.1	In real time	General user	In real time
L8-18	Setpoint Y9 of multi-point curve module A	2789	-	%	80.0	Int16	0.1	In real time	General user	In real time
L8-19	Setpoint X10 of multi-point curve module A	2780	-	%	90.0	Int16	0.1	In real time	General user	In real time
L8-20	Setpoint Y10 of multi-point curve module A	2790	-	%	90.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L8-21	Input of multi-point curve module B	2791	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
L8-22	Setpoint X1 of multi-point curve module B	2792	-	%	0.0	Int16	0.1	In real time	General user	In real time
L8-23	Setpoint Y1 of multi-point curve module B	2802	-	%	0.0	Int16	0.1	In real time	General user	In real time
L8-24	Setpoint X2 of multi-point curve module B	2793	-	%	10.0	Int16	0.1	In real time	General user	In real time
L8-25	Setpoint Y2 of multi-point curve module B	2803	-	%	10.0	Int16	0.1	In real time	General user	In real time
L8-26	Setpoint X3 of multi-point curve module B	2794	-	%	20.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L8-27	Setpoint Y3 of multi-point curve module B	2804	-	%	20.0	Int16	0.1	In real time	General user	In real time
L8-28	Setpoint	2795	-	%	30.0	Int16	0.1	In real	General	In real

	X4 of multi-point curve module B							time	user	time
L8-29	Setpoint Y4 of multi-point curve module B	2805	-	%	30.0	Int16	0.1	In real time	General user	In real time
L8-30	Setpoint X5 of multi-point curve module B	2796	-	%	40.0	Int16	0.1	In real time	General user	In real time
L8-31	Setpoint Y5 of multi-point curve module B	2806	-	%	40.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L8-32	Setpoint X6 of multi-point curve module B	2797	-	%	50.0	Int16	0.1	In real time	General user	In real time
L8-33	Setpoint Y6 of multi-point curve module B	2807	-	%	50.0	Int16	0.1	In real time	General user	In real time
L8-34	Setpoint X7 of multi-point	2798	-	%	60.0	Int16	0.1	In real time	General user	In real time

	curve module B									
L8-35	Setpoint Y7 of multi-point curve module B	2808	-	%	60.0	Int16	0.1	In real time	General user	In real time
L8-36	Setpoint X8 of multi-point curve module B	2799	-	%	70.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L8-37	Setpoint Y8 of multi-point curve module B	2809	-	%	70.0	Int16	0.1	In real time	General user	In real time
L8-38	Setpoint X9 of multi-point curve module B	2800	-	%	80.0	Int16	0.1	In real time	General user	In real time
L8-39	Setpoint Y9 of multi-point curve module B	2810	-	%	80.0	Int16	0.1	In real time	General user	In real time
L8-40	Setpoint X10 of multi-point curve module B	2801	-	%	90.0	Int16	0.1	In real time	General user	In real time
L8-41	Setpoint	2811	-	%	90.0	Int16	0.1	In real	General	In real

	Y10 of multi-point curve module B							time	user	time

L9 Constant setting module

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L9-00	Constant setpoint 1 (U7-85)	3429	-	%	0.0	Int16	0.1	In real time	General user	In real time
L9-01	Constant setpoint 2 (U7-86)	3430	-	%	0.0	Int16	0.1	In real time	General user	In real time
L9-02	Constant setpoint 3 (U7-87)	3431	-	%	0.0	Int16	0.1	In real time	General user	In real time
L9-03	Constant setpoint 4 (U7-88)	3432	-	%	0.0	Int16	0.1	In real time	General user	In real time
L9-04	Constant setpoint 5 (U7-89)	3433	-	%	0.0	Int16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L9-05	Constant setpoint 6 (U9-51)	3434	-	%	0.00	Int16	0.01	In real time	General user	In real time
L9-06	Constant setpoint 7 (U9-52)	3435	-	%	0.00	Int16	0.01	In real time	General user	In real time
L9-07	Constant setpoint 8 (U9-53)	3436	-	%	0.00	Int16	0.01	In real time	General user	In real time
L9-08	Constant setpoint 9 (U9-54)	3437	-	%	0.00	Int16	0.01	In real time	General user	In real time

L9-09	Constant setpoint 10 (U9-55)	3438	-	%	0.00	Int16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L9-10	Constant setpoint 11 (U15-80)	1708	-	-	0	UInt16	1	In real time	General user	In real time
L9-11	Base value of constant reference 11	1097	-	-	0	UInt16	1	In real time	General user	In real time
L9-12	Constant setpoint 12 (U15-81)	1709	-	-	0	UInt16	1	In real time	General user	In real time
L9-13	Base value of constant reference 12	1098	-	-	0	UInt16	1	In real time	General user	In real time
L9-14	Constant setpoint 13 (U15-82)	1710	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L9-15	Base value of constant reference 13	1099	-	-	0	UInt16	1	In real time	General user	In real time
L9-16	Constant setpoint 14 (U15-83)	1711	-	-	0	UInt16	1	In real time	General user	In real time
L9-17	Base	1100	-	-	0	UInt16	1	In real	General	In real

	value of constant reference 14							time	user	time
L9-18	Constant setpoint 15 (U15-84)	1712	-	-	0	UInt16	1	In real time	General user	In real time
L9-19	Base value of constant reference 15	1101	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L9-20	Constant setpoint 16 (U15-85)	1713	-	-	0	UInt16	1	In real time	General user	In real time
L9-21	Base value of constant setpoint 16	1102	-	-	0	UInt16	1	In real time	General user	In real time
L9-22	Constant setpoint 17 (U15-86)	1714	-	-	0	UInt16	1	In real time	General user	In real time
L9-23	Base value of constant reference 17	1103	-	-	0	UInt16	1	In real time	General user	In real time
L9-24	Constant setpoint 18 (U15-87)	1715	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L9-25	Base	1104	-	-	0	UInt16	1	In real	General	In real

	value of constant reference 18							time	user	time
L9-26	Constant setpoint 19 (U15-88)	1716	-	-	0	UInt16	1	In real time	General user	In real time
L9-27	Base value of constant reference 19	1105	-	-	0	UInt16	1	In real time	General user	In real time
L9-28	Constant setpoint 20 (U15-89)	1717	-	-	0	UInt16	1	In real time	General user	In real time
L9-29	Base value of constant reference 20	1106	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L9-30	Constant setpoint 21 (U15-90)	1718	-	-	0	Int16	1	In real time	General user	In real time
L9-31	Base value of constant reference 21	1107	-	-	0	UInt16	1	In real time	General user	In real time
L9-32	Constant setpoint 22 (U15-91)	1719	-	-	0	Int16	1	In real time	General user	In real time
L9-33	Base value of constant reference	1108	-	-	0	UInt16	1	In real time	General user	In real time

	22									
L9-34	Constant setpoint 23 (U15-92)	1720	-	-	0	Int16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L9-35	Base value of constant reference 23	1109	-	-	0	UInt16	1	In real time	General user	In real time
L9-36	Constant setpoint 24 (U15-93)	1721	-	-	0	Int16	1	In real time	General user	In real time
L9-37	Base value of constant reference 24	1110	-	-	0	UInt16	1	In real time	General user	In real time
L9-38	Constant setpoint 25 (U15-94)	1722	-	-	0	Int16	1	In real time	General user	In real time
L9-39	Base value of constant reference 25	1111	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L9-40	Constant setpoint 26 (U15-95)	1723	-	-	0	Int16	1	In real time	General user	In real time
L9-41	Base value of constant reference	1112	-	-	0	UInt16	1	In real time	General user	In real time

	26									
L9-42	Constant setpoint 27 (U15-96)	1724	-	-	0	Int16	1	In real time	General user	In real time
L9-43	Base value of constant reference 27	1113	-	-	0	UInt16	1	In real time	General user	In real time
L9-44	Constant setpoint 28 (U15-97)	1725	-	-	0	Int16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L9-45	Base value of constant reference 28	1114	-	-	0	UInt16	1	In real time	General user	In real time
L9-46	Constant setpoint 29 (U15-98)	1726	-	-	0	Int16	1	In real time	General user	In real time
L9-47	Base value of constant reference 29	1115	-	-	0	UInt16	1	In real time	General user	In real time
L9-48	Constant setpoint 30 (U15-99)	1727	-	-	0	Int16	1	In real time	General user	In real time
L9-49	Base value of constant reference 30	1116	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
L9-50	Constant setpoint 31 (U15-70)	981	-	-	0	Int16	1	In real time	General user	In real time
L9-51	Base value of constant reference 31	991	-	-	0	UInt16	1	In real time	General user	In real time
L9-52	Constant setpoint 32 (U15-71)	982	-	-	0	Int16	1	In real time	General user	In real time
L9-53	Base value of constant reference 32	992	-	-	0	UInt16	1	In real time	General user	In real time
L9-54	Constant setpoint 33 (U15-72)	983	-	-	0	Int16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L9-55	Base value of constant reference 33	993	-	-	0	UInt16	1	In real time	General user	In real time
L9-56	Constant setpoint 34 (U15-73)	984	-	-	0	Int16	1	In real time	General user	In real time
L9-57	Base value of constant reference 34	994	-	-	0	UInt16	1	In real time	General user	In real time
L9-58	Constant setpoint	985	-	-	0	Int16	1	In real time	General user	In real time

	35 (U15-74)									
L9-59	Base value of constant reference 35	995	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L9-60	Constant setpoint 36 (U15-75)	986	-	-	0	Int16	1	In real time	General user	In real time
L9-61	Base value of constant reference 36	996	-	-	0	UInt16	1	In real time	General user	In real time
L9-62	Constant setpoint 37 (U15-76)	987	-	-	0	Int16	1	In real time	General user	In real time
L9-63	Base value of constant reference 37	997	-	-	0	UInt16	1	In real time	General user	In real time
L9-64	Constant setpoint 38 (U15-77)	988	-	-	0	Int16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L9-65	Base value of constant reference 38	998	-	-	0	UInt16	1	In real time	General user	In real time
L9-66	Constant setpoint	989	-	-	0	Int16	1	In real time	General user	In real time

	39 (U15-78)									
L9-67	Base value of constant reference 39	999	-	-	0	UInt16	1	In real time	General user	In real time
L9-68	Constant setpoint 40 (U15-79)	990	-	-	0	Int16	1	In real time	General user	In real time
L9-69	Base value of constant reference 40	1000	-	-	0	UInt16	1	In real time	General user	In real time

L10 Parameter monitoring and modification

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-00	Parameter address 1 for parameter monitoring	3067	-	-	0	UInt16	1	In real time	General user	In real time
L10-01	Parameter address 2 for parameter monitoring	3068	-	-	0	UInt16	1	In real time	General user	In real time
L10-02	Parameter address 3 for	3069	-	-	0	UInt16	1	In real time	General user	In real time

	parameter monitoring									
L10-03	Parameter address 4 for parameter monitoring	3070	-	-	0	UInt16	1	In real time	General user	In real time
L10-04	Parameter address 5 for parameter monitoring	3071	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-05	Parameter address 6 for parameter monitoring	3072	-	-	0	UInt16	1	In real time	General user	In real time
L10-06	Parameter address 7 for parameter monitoring	3073	-	-	0	UInt16	1	In real time	General user	In real time
L10-07	Parameter address 8 for parameter	3074	-	-	0	UInt16	1	In real time	General user	In real time

	r monitoring									
L10-08	Parameter address 9 for parameter monitoring	3075	-	-	0	UInt16	1	In real time	General user	In real time
L10-09	Parameter address 10 for parameter monitoring	3076	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-16	Modified parameter mapping saved to EEPROM	3303	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Parameter mapping modification 1	0: Not saved 1: Saved
bit1	Parameter mapping modification 2	0: Not saved 1: Saved
bit2	Parameter mapping modification 3	0: Not saved 1: Saved
bit3	Parameter mapping modification 4	0: Not saved 1: Saved
bit4	Parameter mapping modification 5	0: Not saved 1: Saved

bit5	Parameter mapping modification 6	0: Not saved 1: Saved
bit6	Parameter mapping modification 7	0: Not saved 1: Saved
bit7	Parameter mapping modification 8	0: Not saved 1: Saved
bit8	Parameter mapping modification 9	0: Not saved 1: Saved
bit9	Parameter mapping modification 10	0: Not saved 1: Saved
bit10	Parameter mapping modification 11	0: Not saved 1: Saved
bit11	Parameter mapping modification 12	0: Not saved 1: Saved
bit12	Parameter mapping modification 13	0: Not saved 1: Saved
bit13	Parameter mapping modification 14	0: Not saved 1: Saved
bit14	Parameter mapping modification 15	0: Not saved 1: Saved
bit15	Parameter mapping modification 16	0: Not saved 1: Save

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-17	Modification range beyond the limit	3304	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Parameter mapping modification 1	0: No action 1: Limited to upper or lower limit

bit1	Parameter mapping modification 2	0: No action 1: Limited to upper or lower limit
bit2	Parameter mapping modification 3	0: No action 1: Limited to upper or lower limit
bit3	Parameter mapping modification 4	0: No action 1: Limited to upper or lower limit
bit4	Parameter mapping modification 5	0: No action 1: Limited to upper or lower limit
bit5	Parameter mapping modification 6	0: No action 1: Limited to upper or lower limit
bit6	Parameter mapping modification 7	0: No action 1: Limited to upper or lower limit
bit7	Parameter mapping modification 8	0: No action 1: Limited to upper or lower limit
bit8	Parameter mapping modification 9	0: No action 1: Limited to upper or lower limit
bit9	Parameter mapping modification 10	0: No action 1: Limited to upper or lower limit
bit10	Parameter mapping modification 11	0: No action 1: Limited to upper or lower limit
bit11	Parameter mapping modification 12	0: No action 1: Limited to upper or lower limit
bit12	Parameter mapping modification 13	0: No action 1: Limited to upper or lower limit
bit13	Parameter mapping modification 14	0: No action 1: Limited to upper or lower limit

bit14	Parameter mapping modification 15	0: No action 1: Limited to upper or lower limit
bit15	Parameter mapping modification 16	0: No action 1: Limited to upper or lower limit

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-18	Parameter address 1 for modifying parameter mapping	3305	-	-	0	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-19	Parameter mapping modification value source 1	3321	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:
0: Invalid
Others: K connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-20	Paramete	3306	-	-	0	UInt16	1	In real	General	In real

	r address 2 for modifying parameter mapping							time	user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-21	Parameter mapping modification value source 2	3322	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-22	Parameter address 3 for modifying parameter mapping	3307	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-23	Parameter mapping	3323	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	modification value source 3									
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-24	Parameter address 4 for modifying parameter mapping	3308	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-25	Parameter mapping modification value source 4	3324	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L10-26	Parameter address 5 for modifying parameter mapping	3309	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-27	Parameter mapping modification value source 5	3325	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-28	Parameter address 6 for modifying parameter mapping	3310	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-29	Parameter	3326	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	mapping modification value source 6									
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-30	Parameter address 7 for modifying parameter mapping	3311	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-31	Parameter mapping modification value source 7	3327	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L10-32	Parameter address 8 for modifying parameter mapping	3312	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-33	Parameter mapping modification value source 8	3328	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-34	Parameter address 9 for modifying parameter mapping	3313	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-35	Parameter	3329	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	mapping modification value source 9									
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-36	Parameter address 10 for modifying parameter mapping	3314	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-37	Parameter mapping modification value source 10	3330	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L10-38	Parameter address 11 for modifying parameter mapping	3315	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-39	Parameter mapping modification value source 11	3331	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-40	Parameter address 12 for modifying parameter mapping	3316	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-41	Parameter	3332	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	mapping modification value source 12									
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-42	Parameter address 13 for modifying parameter mapping	3317	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-43	Parameter mapping modification value source 13	3333	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

L10-44	Parameter address 14 for modifying parameter mapping	3318	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-45	Parameter mapping modification value source 14	3334	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-46	Parameter address 15 for modifying parameter mapping	3319	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-47	Parameter	3335	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	mapping modification value source 15									
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-48	Parameter address 16 for modifying parameter mapping	3320	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L10-49	Parameter mapping modification value source 16	3336	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

L11 Algorism function block 2

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-00	Calculation method of proportional module	2043	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Proportional module 1	0: Original value 1: Per-unit value
bit1	Proportional module 2	0: Original value 1: Per-unit value
bit2	Proportional module 3	0: Original value 1: Per-unit value
bit03	Proportional module 4	0: Original value 1: Per-unit value
bit04	Proportional module 5	0: Original value 1: Per-unit value
bit05	Proportional module 6	0: Original value 1: Per-unit value
bit06	Proportional module 7	0: Original value 1: Per-unit value
bit07	Proportional module 8	0: Original value 1: Per-unit value
bit08	Proportional module 9	0: Original value 1: Per-unit value
bit09	Proportional module 10	0: Original value 1: Per-unit value
bit10	Proportional module 11	0: Original value 1: Per-unit value
bit11	Proportional module 12	0: Original value 1: Per-unit value
bit12	Proportional module 13	0: Original value 1: Per-unit value

bit13	Proportional module 14	0: Original value 1: Per-unit value
bit14	Proportional module 15	0: Original value 1: Per-unit value
bit15	Reserved	0: Reserved 1: Reserved

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-01	Data type selection for value source (original value method)	2044	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Proportional module 1	0: Signed number 1: Unsigned number
bit1	Proportional module 2	0: Signed number 1: Unsigned number
bit2	Proportional module 3	0: Signed number 1: Unsigned number
bit3	Proportional module 4	0: Signed number 1: Unsigned number
bit4	Proportional module 5	0: Signed number 1: Unsigned number
bit5	Proportional module 6	0: Signed number 1: Unsigned number
bit6	Proportional module 7	0: Signed number 1: Unsigned number
bit7	Proportional module 8	0: Signed number 1: Unsigned number
bit8	Proportional module 9	0: Signed number 1: Unsigned number

bit9	Proportional module 10	0: Signed number 1: Unsigned number
bit10	Proportional module 11	0: Signed number 1: Unsigned number
bit11	Proportional module 12	0: Signed number 1: Unsigned number
bit12	Proportional module 13	0: Signed number 1: Unsigned number
bit13	Proportional module 14	0: Signed number 1: Unsigned number
bit14	Proportional module 15	0: Signed number 1: Unsigned number
bit15	Reserved	0: Reserved 1: Reserved

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-02	Value source input 1 of proportional module 1	1998	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:
0: Invalid
Others: K connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-03	Input 2 of proportional module 1	2008	-	-	1	Int16	1	In real time	General user	In real time

	(MULTIPLY)									
L11-04	Input 3 of proportional module 1 (DIVIDE)	2018	-	-	1	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-05	Value source input 1 of proportional module 2	1999	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-06	Input 2 of proportional module 2 (MULTIPLY)	2009	-	-	1	Int16	1	In real time	General user	In real time
L11-07	Input 3 of proportional module 2 (DIVIDE)	2019	-	-	1	UInt16	1	In real time	General user	In real time
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
L11-08	Value source input 1 of proportional module 3	2000	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-09	Input 2 of proportional module 3 (MULTIPLY)	2010	-	-	1	Int16	1	In real time	General user	In real time
L11-10	Input 3 of proportional module 3 (DIVIDE)	2020	-	-	1	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-11	Value source input 1 of proportional module 4	2001	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid									

	Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-12	Input 2 of proportional module 4 (MULTIPLY)	2011	-	-	1	Int16	1	In real time	General user	In real time
L11-13	Input 3 of proportional module 4 (DIVIDE)	2021	-	-	1	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-14	Value source input 1 of proportional module 5	2002	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Invalid Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-15	Input 2 of proportional	2012	-	-	1	Int16	1	In real time	General user	In real time

	module 5 (MULTIPLY)									
L11-16	Input 3 of proportional module 5 (DIVIDE)	2022	-	-	1	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-17	Value source input 1 of proportional module 6	2003	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-18	Input 2 of proportional module 6 (MULTIPLY)	2013	-	-	1	Int16	1	In real time	General user	In real time
L11-19	Input 3 of proportional module 6 (DIVIDE)	2023	-	-	1	UInt16	1	In real time	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
L11-20	Value source input 1 of proportional module 7	2004	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-21	Input 2 of proportional module 7 (MULTIPLY)	2014	-	-	1	Int16	1	In real time	General user	In real time
L11-22	Input 3 of proportional module 7 (DIVIDE)	2024	-	-	1	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-23	Value source input 1 of proportional module 8	2005	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value:									

	0：Invalid Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-24	Input 2 of proportional module 8 (MULTIPLY)	2015	-	-	1	Int16	1	In real time	General user	In real time
L11-25	Input 3 of proportional module 8 (DIVIDE)	2025	-	-	1	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-26	Value source input 1 of proportional module 9	2006	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-27	Input 2 of proportio	2016	-	-	1	Int16	1	In real time	General user	In real time

	nal module 9 (MULTIPLY)									
L11-28	Input 3 of proportional module 9 (DIVIDE)	2026	-	-	1	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-29	Value source input 1 of proportional module 10	2007	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-30	Input 2 of proportional module 10 (MULTIPLY)	2017	-	-	1	Int16	1	In real time	General user	In real time
L11-31	Input 3 of proportional module	2027	-	-	1	UInt16	1	In real time	General user	In real time

	10 (DIVIDE)									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-32	Value source input 1 of proportional module 11	2028	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-33	Input 2 of proportional module 11 (MULTIPLY)	2033	-	-	1	Int16	1	In real time	General user	In real time
L11-34	Input 3 of proportional module 11 (DIVIDE)	2038	-	-	1	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-35	Value	2029	Refer to	-	0	UInt16	1	In real	General	In real

	source input 1 of proportional module 12		"Value"					time	user	time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-36	Input 2 of proportional module 12 (MULTIPLY)	2034	-	-	1	Int16	1	In real time	General user	In real time
L11-37	Input 3 of proportional module 12 (DIVIDE)	2039	-	-	1	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-38	Value source input 1 of proportional module 13	2030	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value:									

	0：Invalid Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-39	Input 2 of proportional module 13 (MULTIPLY)	2035	-	-	1	Int16	1	In real time	General user	In real time
L11-40	Input 3 of proportional module 13 (DIVIDE)	2040	-	-	1	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-41	Value source input 1 of proportional module 14	2031	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid Others：K connector									
	Description： null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
L11-42	Input 2 of proportional module 14 (MULTIPLY)	2036	-	-	1	Int16	1	In real time	General user	In real time
L11-43	Input 3 of proportional module 14 (DIVIDE)	2041	-	-	1	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-44	Value source input 1 of proportional module 15	2032	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
L11-45	Input 2 of proportional module 15 (MULTIPL	2037	-	-	1	Int16	1	In real time	General user	In real time

	Y)									
L11-46	Input 3 of proportional module 15 (DIVIDE)	2042	-	-	1	UInt16	1	In real time	General user	In real time

n0 InoLink communication

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-00	InoLink communication selection	1377	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： Inactive 1： Start Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-01	InoLink state	36289	-	-	-	UInt16	1	N/A	General user	In real time
n0-02	Local node address	1378	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-03	InoLink fault	2911	Refer to	-	0	UInt16	1	In real	General	In real

	mode selection		"Value"					time	user	time
	Value: 0: Standard mode 1: No fault prompt mode Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-04	InoLink node restart judgment time	6726	-	s	0.1	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-06	InoLink communication mode selection	6718	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Standard mode 1: Custom mode									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-07	Actual communication mode of	36296	-	-	-	UInt16	1	N/A	General user	In real time

	InoLink									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-08	InoLink communication custom mode configuration	6725	Refer to "Value"	-	350	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	InoLink communication rate selection	0: Follow the master 1: 5 Mbps 2: 2 Mbps 3: 1 Mbps 4: 500 kbps
Tens	Total number of InoLink nodes	0: 2 1: 4 2: 8 3: 10 4: 12 5: 16
Hundreds-	Number of InoLink process data interactions	0: 1 1: 2 2: 4 3: 8
Thousands-	InoLink data interaction cycle	0: 2 ms 1: 1 ms 2: 0.5 ms 3: 0.2 ms

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-09	InoLink network	36291	-	-	-	UInt16	1	N/A	General user	In real time

	baud rate									
n0-10	InoLink data transmission bit width	36292	-	-	-	UInt16	1	N/A	General user	In real time
n0-16	Total number of InoLink nodes	36293	-	-	-	UInt16	1	N/A	General user	In real time
n0-17	Number of InoLink process data interactions	36294	-	-	-	UInt16	1	N/A	General user	In real time
n0-18	InoLink data interaction cycle	36295	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-19	InoLink auxiliary function setting	6727	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
Ones-	Time base synchronization	0: Disabled 1: Enable

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n0-20	Transmission data 1 selection	1395	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-21	Transmission data 2 selection	1396	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-22	Transmission data 3 selection	1397	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n0-23	Transmission data 4 selection	1398	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-24	Transmission data 5 selection	1399	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-25	Transmission data 6 selection	1400	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n0-26	Transmission data 7 selection	1401	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-27	Transmission data 8 selection	1402	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-40	Source node of received data 1	2175	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid 1: Node 1 2: Node 2 3: Node 3 4: Node 4 5: Node 5 6: Node 6 7: Node 7 8: Node 8 9: Node 9 10: Node 10 11: Node 11 12: Node 12 13: Node 13 14: Node 14 15: Node 15 16: Node 16									
	Description:									

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-41	Data selection for received data 1	1379	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Data 1 2: Data 2 3: Data 3 4: Data 4 5: Data 5 6: Data 6 7: Data 7 8: Data 8									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-42	Source node of received data 2	2176	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid 1: Node 1 2: Node 2 3: Node 3 4: Node 4 5: Node 5 6: Node 6 7: Node 7 8: Node 8 9: Node 9 10: Node 10 11: Node 11 12: Node 12 13: Node 13 14: Node 14 15: Node 15 16: Node 16									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-43	Data selection	1380	Refer to	-	1	UInt16	1	In real	General	In real

	for received data 2		"Value"					time	user	time
	Value: 1: Data 1 2: Data 2 3: Data 3 4: Data 4 5: Data 5 6: Data 6 7: Data 7 8: Data 8									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-44	Source node of received data 3	2177	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid 1: Node 1 2: Node 2 3: Node 3 4: Node 4 5: Node 5 6: Node 6 7: Node 7 8: Node 8 9: Node 9 10: Node 10 11: Node 11 12: Node 12 13: Node 13 14: Node 14 15: Node 15 16: Node 16									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-45	Data selection for received data 3	1381	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Data 1 2: Data 2 5: Data 5 6: Data 6									

	3：Data 3 4：Data 4 7：Data 7 8：Data 8									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-46	Source node of received data 4	2178	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid 1：Node 1 2：Node 2 3：Node 3 4：Node 4 5：Node 5 6：Node 6 7：Node 7 8：Node 8 9：Node 9 10：Node 10 11：Node 11 12：Node 12 13：Node 13 14：Node 14 15：Node 15 16：Node 16									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-47	Data selection for received data 4	1382	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value： 1：Data 1 2：Data 2 3：Data 3 4：Data 4 5：Data 5 6：Data 6 7：Data 7 8：Data 8									
	Description： null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n0-48	Source node of received data 5	2179	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid 1: Node 1 2: Node 2 3: Node 3 4: Node 4 5: Node 5 6: Node 6 7: Node 7 8: Node 8 9: Node 9 10: Node 10 11: Node 11 12: Node 12 13: Node 13 14: Node 14 15: Node 15 16: Node 16									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-49	Data selection for received data 5	1383	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Data 1 2: Data 2 3: Data 3 4: Data 4 5: Data 5 6: Data 6 7: Data 7 8: Data 8									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-50	Source node of received data 6	2180	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: Invalid 1: Node 1 2: Node 2 3: Node 3 4: Node 4 5: Node 5 6: Node 6 7: Node 7 8: Node 8 9: Node 9 10: Node 10 11: Node 11 12: Node 12 13: Node 13 14: Node 14 15: Node 15 16: Node 16									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-51	Data selection for received data 6	1384	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Data 1 2: Data 2 3: Data 3 4: Data 4 5: Data 5 6: Data 6 7: Data 7 8: Data 8									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-52	Source node of received data 7	2181	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Invalid 1: Node 1 2: Node 2 3: Node 3 4: Node 4 6: Node 6 7: Node 7 8: Node 8 9: Node 9 10: Node 10 12: Node 12 13: Node 13 14: Node 14 15: Node 15 16: Node 16									

	5：Node 5　　11：Node 11									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-53	Data selection for received data 7	1385	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value： 1：Data 1　　5：Data 5 2：Data 2　　6：Data 6 3：Data 3　　7：Data 7 4：Data 4　　8：Data 8									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-54	Source node of received data 8	2182	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Invalid　　6：Node 6　　12：Node 12 1：Node 1　　7：Node 7　　13：Node 13 2：Node 2　　8：Node 8　　14：Node 14 3：Node 3　　9：Node 9　　15：Node 15 4：Node 4　　10：Node 10　　16：Node 16 5：Node 5　　11：Node 11									
	Description： null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n0-55	Data selection for received data 8	1386	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 1: Data 1 2: Data 2 3: Data 3 4: Data 4 5: Data 5 6: Data 6 7: Data 7 8: Data 8									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n0-70	Proportion of received data 1	1387	-	-	1	Int16	0.001	In real time	General user	In real time
n0-71	Proportion of received data 2	1388	-	-	1	Int16	0.001	In real time	General user	In real time
n0-72	Proportion of received data 3	1389	-	-	1	Int16	0.001	In real time	General user	In real time
n0-73	Proportion of received data 4	1390	-	-	1	Int16	0.001	In real time	General user	In real time
n0-74	Proportion of received data 5	1391	-	-	1	Int16	0.001	In real time	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n0-75	Proportion of received data 6	1392	-	-	1	Int16	0.001	In real time	General user	In real time
n0-76	Proportion of received data 7	1393	-	-	1	Int16	0.001	In real time	General user	In real time
n0-77	Proportion of received data 8	1394	-	-	1	Int16	0.001	In real time	General user	In real time

n1 Fieldbus adapter A

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-00	Bus type for the fieldbus adapter	1403	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: None 1: Modbus-RTU module 2: CAN2.0 module 3: CANopen module 4: Ethernet module 5: EtherCAT module 6: DeviceNet module 7: PROFIBUS-DP module 8: Profinet IO module 9: Custom communication module 10: Reserved 11: Custom communication module 2 12: Ethernet/IP module									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n1-01	Communication disconnection detection delay	1404	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-02	Bus adapter communication mode selection	3907	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Standard mode 1: No fault prompt mode Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-03	Continuous CRC error detection setting	1406	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-04	Process data output 1	1407	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0									

	Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-05	Process data output 2	1408	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-06	Process data output 3	1409	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-07	Process data output 4	1410	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									

	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-08	Process data output 5	1411	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-09	Process data output 6	1412	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-10	Process data output 7	1413	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-11	Process data output 8	1414	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-12	Process data output 9	1415	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-13	Process data output 10	1416	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n1-14	Process data output 11	1417	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-15	Process data output 12	1418	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-16	Process data output 13	1419	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n1-17	Process data output 14	1420	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-18	Process data output 15	1421	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-19	Process data output 16	1422	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-20	Communication	1439	-	-	0	UInt16	1	In real time	General user	In real time

	base value of process data output 1									
n1-21	Communication base value of process data output 2	1440	-	-	0	UInt16	1	In real time	General user	In real time
n1-22	Communication base value of process data output 3	1441	-	-	0	UInt16	1	In real time	General user	In real time
n1-23	Communication base value of process data output 4	1442	-	-	0	UInt16	1	In real time	General user	In real time
n1-24	Communication base value of process data output 5	1443	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-25	Communication base	1444	-	-	0	UInt16	1	In real time	General user	In real time

	value of process data output 6									
n1-26	Communication base value of process data output 7	1445	-	-	0	UInt16	1	In real time	General user	In real time
n1-27	Communication base value of process data output 8	1446	-	-	0	UInt16	1	In real time	General user	In real time
n1-28	Communication base value of process data output 9	1447	-	-	0	UInt16	1	In real time	General user	In real time
n1-29	Communication base value of process data output 10	1448	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-30	Communication base value of	1449	-	-	0	UInt16	1	In real time	General user	In real time

	process data output 11									
n1-31	Communication base value of process data output 12	1450	-	-	0	UInt16	1	In real time	General user	In real time
n1-32	Communication base value of process data output 13	1451	-	-	0	UInt16	1	In real time	General user	In real time
n1-33	Communication base value of process data output 14	1452	-	-	0	UInt16	1	In real time	General user	In real time
n1-34	Communication base value of process data output 15	1453	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-35	Communication base value of process	1454	-	-	0	UInt16	1	In real time	General user	In real time

	data output 16									
n1-36	Communication base value of process data input 1	1423	-	-	0	UInt16	1	In real time	General user	In real time
n1-37	Communication base value of process data input 2	1424	-	-	0	UInt16	1	In real time	General user	In real time
n1-38	Communication base value of process data input 3	1425	-	-	0	UInt16	1	In real time	General user	In real time
n1-39	Communication base value of process data input 4	1426	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-40	Communication base value of process data	1427	-	-	0	UInt16	1	In real time	General user	In real time

	input 5									
n1-41	Communication base value of process data input 6	1428	-	-	0	UInt16	1	In real time	General user	In real time
n1-42	Communication base value of process data input 7	1429	-	-	0	UInt16	1	In real time	General user	In real time
n1-43	Communication base value of process data input 8	1430	-	-	0	UInt16	1	In real time	General user	In real time
n1-44	Communication base value of process data input 9	1431	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-45	Communication base value of process data input 10	1432	-	-	0	UInt16	1	In real time	General user	In real time

n1-46	Communication base value of process data input 11	1433	-	-	0	UInt16	1	In real time	General user	In real time
n1-47	Communication base value of process data input 12	1434	-	-	0	UInt16	1	In real time	General user	In real time
n1-48	Communication base value of process data input 13	1435	-	-	0	UInt16	1	In real time	General user	In real time
n1-49	Communication base value of process data input 14	1436	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-50	Communication base value of process data input 15	1437	-	-	0	UInt16	1	In real time	General user	In real time
n1-51	Communi	1438	-	-	0	UInt16	1	In real	General	In real

	cation base value of process data input 16							time	user	time
n1-52	Displayed data of process data output 1	33823	-	-	-	UInt16	1	N/A	General user	In real time
n1-53	Displayed data of process data output 2	33824	-	-	-	UInt16	1	N/A	General user	In real time
n1-54	Displayed data of process data output 3	33825	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-55	Displayed data of process data output 4	33826	-	-	-	UInt16	1	N/A	General user	In real time
n1-56	Displayed data of process data output 5	33827	-	-	-	UInt16	1	N/A	General user	In real time
n1-57	Displayed data of process data	33828	-	-	-	UInt16	1	N/A	General user	In real time

	output 6									
n1-58	Displayed data of process data output 7	33829	-	-	-	UInt16	1	N/A	General user	In real time
n1-59	Displayed data of process data output 8	33830	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-60	Displayed data of process data output 9	33831	-	-	-	UInt16	1	N/A	General user	In real time
n1-61	Displayed data of process data output 10	33832	-	-	-	UInt16	1	N/A	General user	In real time
n1-62	Displayed data of process data output 11	33833	-	-	-	UInt16	1	N/A	General user	In real time
n1-63	Displayed data of process data output 12	33834	-	-	-	UInt16	1	N/A	General user	In real time
n1-64	Displayed data of process data	33835	-	-	-	UInt16	1	N/A	General user	In real time

	output 13									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-65	Displayed data of process data output 14	33836	-	-	-	UInt16	1	N/A	General user	In real time
n1-66	Displayed data of process data output 15	33837	-	-	-	UInt16	1	N/A	General user	In real time
n1-67	Displayed data of process data output 16	33838	-	-	-	UInt16	1	N/A	General user	In real time
n1-68	Displayed data of process data input 1	33807	-	-	-	UInt16	1	N/A	General user	In real time
n1-69	Displayed data of process data input 2	33808	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-70	Displayed data of process data input 3	33809	-	-	-	UInt16	1	N/A	General user	In real time

n1-71	Displayed data of process data input 4	33810	-	-	-	UInt16	1	N/A	General user	In real time
n1-72	Displayed data of process data input 5	33811	-	-	-	UInt16	1	N/A	General user	In real time
n1-73	Displayed data of process data input 6	33812	-	-	-	UInt16	1	N/A	General user	In real time
n1-74	Displayed data of process data input 7	33813	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-75	Displayed data of process data input 8	33814	-	-	-	UInt16	1	N/A	General user	In real time
n1-76	Displayed data of process data input 9	33815	-	-	-	UInt16	1	N/A	General user	In real time
n1-77	Displayed data of process data input 10	33816	-	-	-	UInt16	1	N/A	General user	In real time

n1-78	Displayed data of process data input 11	33817	-	-	-	UInt16	1	N/A	General user	In real time
n1-79	Displayed data of process data input 12	33818	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-80	Displayed data of process data input 13	33819	-	-	-	UInt16	1	N/A	General user	In real time
n1-81	Displayed data of process data input 14	33820	-	-	-	UInt16	1	N/A	General user	In real time
n1-82	Displayed data of process data input 15	33821	-	-	-	UInt16	1	N/A	General user	In real time
n1-83	Displayed data of process data input 16	33822	-	-	-	UInt16	1	N/A	General user	In real time
n1-84	Effective PZD of adapter A output	36687	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n1-85	Effective double word PZD of adapter A output	36688	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-90	Saving mailbox data of adapter A	4189	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Not saved to EEPROM 1: Saved to EEPROM									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-91	Upload of device diagnosis information for adapter A inhibited	1809	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Not inhibited 1: Inhibited									
	Description: null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

<table>
<tr><td></td><td></td><td>address</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td rowspan="2">n1-92</td><td>High/Low byte conversion switch for process data output of adapter A</td><td>7210</td><td>Refer to "Value"</td><td>-</td><td>0x0</td><td>UInt16</td><td>1</td><td>In real time</td><td>General user</td><td>In real time</td></tr>
<tr><td colspan="10">Value：
<table>
<tr><th>Bit</th><th>Name</th><th>Value</th></tr>
<tr><td>bit0</td><td>Process data output 1</td><td>0: Invalid
1: Enable</td></tr>
<tr><td>bit1</td><td>Process data output 2</td><td>0: Invalid
1: Enable</td></tr>
<tr><td>bit2</td><td>Process data output 3</td><td>0: Invalid
1: Enable</td></tr>
<tr><td>bit3</td><td>Process data output 4</td><td>0: Invalid
1: Enable</td></tr>
<tr><td>bit4</td><td>Process data output 5</td><td>0: Invalid
1: Enable</td></tr>
<tr><td>bit5</td><td>Process data output 6</td><td>0: Invalid
1: Enable</td></tr>
<tr><td>bit6</td><td>Process data output 7</td><td>0: Invalid
1: Enable</td></tr>
<tr><td>bit7</td><td>Process data output 8</td><td>0: Invalid
1: Enable</td></tr>
<tr><td>bit8</td><td>Process data output 9</td><td>0: Invalid
1: Enable</td></tr>
<tr><td>bit9</td><td>Process data output 10</td><td>0: Invalid
1: Enable</td></tr>
<tr><td>bit10</td><td>Process data output 11</td><td>0: Invalid
1: Enable</td></tr>
<tr><td>bit11</td><td>Process data output 12</td><td>0: Invalid
1: Enable</td></tr>
<tr><td>bit12</td><td>Process data output 13</td><td>0: Invalid
1: Enable</td></tr>
</table></td></tr>
</table>

bit13	Process data output 14	0: Invalid 1: Enable
bit14	Process data output 15	0: Invalid 1: Enable
bit15	Process data output 16	0: Invalid 1: Enable

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n1-93	High/Low byte conversion switches for process data input of adapter A	7211	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Process data input 1	0: Invalid 1: Enable
bit1	Process data input 2	0: Invalid 1: Enable
bit2	Process data input 3	0: Invalid 1: Enable
bit3	Process data input 4	0: Invalid 1: Enable
bit4	Process data input 5	0: Invalid 1: Enable
bit5	Process data input 6	0: Invalid 1: Enable
bit6	Process data input 7	0: Invalid 1: Enable
bit7	Process data input 8	0: Invalid 1: Enable

bit8	Process data input 9	0: Invalid 1: Enable	
bit9	Process data input 10	0: Invalid 1: Enable	
bit10	Process data input 11	0: Invalid 1: Enabled	
bit11	Process data input 12	0: Invalid 1: Enabled	
bit12	Process data input 13	0: Invalid 1: Enabled	
bit13	Process data input 14	0: Invalid 1: Enable	
bit14	Process data input 15	0: Invalid 1: Enable	
bit15	Process data input 16	0: Invalid 1: Enable	

Description：
null

n2 Fieldbus adapter B

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-00	Bus type for the fieldbus adapter	1455	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value：

0： None
1： Modbus-RTU module
2： CAN2.0 module
3： CANopen module
4： Ethernet module
5： EtherCAT module
6： DeviceNet module
7： PROFIBUS-DP module
8： Profinet IO module
9： Custom communication module
10： Reserved
11： Custom communication module 2
12： Ethernet/IP module

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-01	Communication disconnection detection delay	1456	-	s	1	UInt16	0.01	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-02	Bus adapter communication mode selection	3908	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Standard mode 1: No fault prompt mode Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-03	Continuous CRC error detection setting	1458	-	-	0	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-04	Process data	1459	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	output 1									
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-05	Process data output 2	1460	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-06	Process data output 3	1461	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-07	Process data output 4	1462	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-08	Process data output 5	1463	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-09	Process data output 6	1464	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-10	Process data output 7	1465	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0									

	Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-11	Process data output 8	1466	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-12	Process data output 9	1467	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-13	Process data output 10	1468	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-14	Process data output 11	1469	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-15	Process data output 12	1470	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-16	Process data output 13	1471	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-17	Process data output 14	1472	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-18	Process data output 15	1473	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-19	Process data output 16	1474	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n2-20	Communication base value of process data output 1	1491	-	-	0	UInt16	1	In real time	General user	In real time
n2-21	Communication base value of process data output 2	1492	-	-	0	UInt16	1	In real time	General user	In real time
n2-22	Communication base value of process data output 3	1493	-	-	0	UInt16	1	In real time	General user	In real time
n2-23	Communication base value of process data output 4	1494	-	-	0	UInt16	1	In real time	General user	In real time
n2-24	Communication base value of process data output 5	1495	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n2-25	Communication base value of process data output 6	1496	-	-	0	UInt16	1	In real time	General user	In real time
n2-26	Communication base value of process data output 7	1497	-	-	0	UInt16	1	In real time	General user	In real time
n2-27	Communication base value of process data output 8	1498	-	-	0	UInt16	1	In real time	General user	In real time
n2-28	Communication base value of process data output 9	1499	-	-	0	UInt16	1	In real time	General user	In real time
n2-29	Communication base value of process data output 10	1500	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-30	Communi	1501	-	-	0	UInt16	1	In real	General	In real

	cation base value of process data output 11							time	user	time
n2-31	Communi cation base value of process data output 12	1502	-	-	0	UInt16	1	In real time	General user	In real time
n2-32	Communi cation base value of process data output 13	1503	-	-	0	UInt16	1	In real time	General user	In real time
n2-33	Communi cation base value of process data output 14	1504	-	-	0	UInt16	1	In real time	General user	In real time
n2-34	Communi cation base value of process data output 15	1505	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communi cation address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-35	Communi cation	1506	-	-	0	UInt16	1	In real time	General user	In real time

	base value of process data output 16									
n2-36	Communication base value of process data input 1	1475	-	-	0	UInt16	1	In real time	General user	In real time
n2-37	Communication base value of process data input 2	1476	-	-	0	UInt16	1	In real time	General user	In real time
n2-38	Communication base value of process data input 3	1477	-	-	0	UInt16	1	In real time	General user	In real time
n2-39	Communication base value of process data input 4	1478	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-40	Communication base	1479	-	-	0	UInt16	1	In real time	General user	In real time

	value of process data input 5									
n2-41	Communication base value of process data input 6	1480	-	-	0	UInt16	1	In real time	General user	In real time
n2-42	Communication base value of process data input 7	1481	-	-	0	UInt16	1	In real time	General user	In real time
n2-43	Communication base value of process data input 8	1482	-	-	0	UInt16	1	In real time	General user	In real time
n2-44	Communication base value of process data input 9	1483	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-45	Communication base value of	1484	-	-	0	UInt16	1	In real time	General user	In real time

	process data input 10									
n2-46	Communication base value of process data input 11	1485	-	-	0	UInt16	1	In real time	General user	In real time
n2-47	Communication base value of process data input 12	1486	-	-	0	UInt16	1	In real time	General user	In real time
n2-48	Communication base value of process data input 13	1487	-	-	0	UInt16	1	In real time	General user	In real time
n2-49	Communication base value of process data input 14	1488	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-50	Communication base value of process	1489	-	-	0	UInt16	1	In real time	General user	In real time

	data input 15									
n2-51	Communication base value of process data input 16	1490	-	-	0	UInt16	1	In real time	General user	In real time
n2-52	Displayed data of process data output 1	33855	-	-	-	UInt16	1	N/A	General user	In real time
n2-53	Displayed data of process data output 2	33856	-	-	-	UInt16	1	N/A	General user	In real time
n2-54	Displayed data of process data output 3	33857	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-55	Displayed data of process data output 4	33858	-	-	-	UInt16	1	N/A	General user	In real time
n2-56	Displayed data of process data output 5	33859	-	-	-	UInt16	1	N/A	General user	In real time
n2-57	Displayed	33860	-	-	-	UInt16	1	N/A	General	In real

	data of process data output 6								user	time
n2-58	Displayed data of process data output 7	33861	-	-	-	UInt16	1	N/A	General user	In real time
n2-59	Displayed data of process data output 8	33862	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-60	Displayed data of process data output 9	33863	-	-	-	UInt16	1	N/A	General user	In real time
n2-61	Displayed data of process data output 10	33864	-	-	-	UInt16	1	N/A	General user	In real time
n2-62	Displayed data of process data output 11	33865	-	-	-	UInt16	1	N/A	General user	In real time
n2-63	Displayed data of process data output 12	33866	-	-	-	UInt16	1	N/A	General user	In real time
n2-64	Displayed	33867	-	-	-	UInt16	1	N/A	General	In real

	data of process data output 13								user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-65	Displayed data of process data output 14	33868	-	-	-	UInt16	1	N/A	General user	In real time
n2-66	Displayed data of process data output 15	33869	-	-	-	UInt16	1	N/A	General user	In real time
n2-67	Displayed data of process data output 16	33870	-	-	-	UInt16	1	N/A	General user	In real time
n2-68	Displayed data of process data input 1	33839	-	-	-	UInt16	1	N/A	General user	In real time
n2-69	Displayed data of process data input 2	33840	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-70	Displayed data of process	33841	-	-	-	UInt16	1	N/A	General user	In real time

	data input 3									
n2-71	Displayed data of process data input 4	33842	-	-	-	UInt16	1	N/A	General user	In real time
n2-72	Displayed data of process data input 5	33843	-	-	-	UInt16	1	N/A	General user	In real time
n2-73	Displayed data of process data input 6	33844	-	-	-	UInt16	1	N/A	General user	In real time
n2-74	Displayed data of process data input 7	33845	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-75	Displayed data of process data input 8	33846	-	-	-	UInt16	1	N/A	General user	In real time
n2-76	Displayed data of process data input 9	33847	-	-	-	UInt16	1	N/A	General user	In real time
n2-77	Displayed data of process	33848	-	-	-	UInt16	1	N/A	General user	In real time

	data input 10									
n2-78	Displayed data of process data input 11	33849	-	-	-	UInt16	1	N/A	General user	In real time
n2-79	Displayed data of process data input 12	33850	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-80	Displayed data of process data input 13	33851	-	-	-	UInt16	1	N/A	General user	In real time
n2-81	Displayed data of process data input 14	33852	-	-	-	UInt16	1	N/A	General user	In real time
n2-82	Displayed data of process data input 15	33853	-	-	-	UInt16	1	N/A	General user	In real time
n2-83	Displayed data of process data input 16	33854	-	-	-	UInt16	1	N/A	General user	In real time
n2-84	Effective PZD of adapter B	36689	-	-	-	UInt16	1	N/A	General user	In real time

	output									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-85	Effective double word PZD of adapter B output	36690	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-90	Adapter B mail box write data save selection	4190	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Not saved to EEPROM 1: Saved to EEPROM									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-91	Upload of device diagnosis information for adapter B inhibited	1808	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value: 0: Not inhibited 1: Inhibited									
	Description:									

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-92	High/Low byte conversion switch for process data output of adapter B	7212	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Process data output 1	0: Invalid 1: Enable
bit1	Process data output 2	0: Invalid 1: Enable
bit2	Process data output 3	0: Invalid 1: Enable
bit3	Process data output 4	0: Invalid 1: Enable
bit4	Process data output 5	0: Invalid 1: Enable
bit5	Process data output 6	0: Invalid 1: Enable
bit6	Process data output 7	0: Invalid 1: Enable
bit7	Process data output 8	0: Invalid 1: Enable
bit8	Process data output 9	0: Invalid 1: Enable
bit9	Process data output 10	0: Invalid 1: Enable
bit10	Process data output 11	0: Invalid 1: Enable
bit11	Process data output 12	0: Invalid 1: Enable

bit12	Process data output 13	0: Invalid 1: Enable
bit13	Process data output 14	0: Invalid 1: Enable
bit14	Process data output 15	0: Invalid 1: Enable
bit15	Process data output 16	0: Invalid 1: Enable

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n2-93	High/Low byte conversion switch for process data input of adapter B	7213	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value：

Bit	Name	Value
bit0	Process data input 1	0: Invalid 1: Enable
bit1	Process data input 2	0: Invalid 1: Enable
bit2	Process data input 3	0: Invalid 1: Enable
bit3	Process data input 4	0: Invalid 1: Enable
bit4	Process data input 5	0: Invalid 1: Enable
bit5	Process data input 6	0: Invalid 1: Enable
bit6	Process data input 7	0: Invalid 1: Enable

	bit7	Process data input 8	0: Invalid 1: Enable	
	bit8	Process data input 9	0: Invalid 1: Enable	
	bit9	Process data input 10	0: Invalid 1: Enable	
	bit10	Process data input 11	0: Invalid 1: Enabled	
	bit11	Process data input 12	0: Invalid 1: Enabled	
	bit12	Process data input 13	0: Invalid 1: Enabled	
	bit13	Process data input 14	0: Invalid 1: Enable	
	bit14	Process data input 15	0: Invalid 1: Enable	
	bit15	Process data input 16	0: Invalid 1: Enable	
	Description: null			

n3 Fieldbus Adapter C

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n3-00	Bus adapter C function selection	1507	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Bound to HETN-10 1: Bound to fieldbus adapter A 2: Bound to fieldbus adapter B									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n3-03	Adapter C mail box write data save selection	4191	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Not saved to EEPROM 1: Saved to EEPROM									
	Description: null									

n7 Configuration of HIO module 1

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n7-00	Expansion slot selection	3439	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n7-01	Module online state	35116	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n7-02	Module type selection	3673	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled									

	1：HIO-10 2：HIO-20 3：HIO-30
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n7-10	Configuration for DIO used as output	35167	-	-	-	UInt16	1	N/A	General user	In real time
n7-11	Original status of DI/DIO input	35119	-	-	-	UInt16	1	N/A	General user	In real time
n7-12	Final state of DI/DIO input	35122	-	-	-	UInt16	1	N/A	General user	In real time
n7-13	RO/DIO output setting state	35290	-	-	-	UInt16	1	N/A	General user	In real time
n7-14	Final status of RO/DIO output	35128	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n7-15	AI input status word	35125	-	-	-	UInt16	1	N/A	General user	In real time
n7-20	AI1 input value	35131	-	-	-	Int16	0.01	N/A	General user	In real time
n7-21	AI1 input proportion	35245	-	%	-	Int16	0.1	N/A	General user	In real time
n7-22	AI2 input value	35137	-	-	-	Int16	0.01	N/A	General user	In real time

n7-23	AI2 input proportion	35248	-	%	-	Int16	0.1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n7-24	AI3 input value	35143	-	-	-	Int16	0.01	N/A	General user	In real time
n7-25	AI3 input proportion	35251	-	%	-	Int16	0.1	N/A	General user	In real time
n7-30	AO1 output proportion	35254	-	%	-	Int16	0.1	N/A	General user	In real time
n7-31	AO1 actual output value	35149	-	-	-	Int16	0.01	N/A	General user	In real time
n7-32	AO2 output proportion	35257	-	%	-	Int16	0.1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n7-33	AO2 actual output value	35155	-	-	-	Int16	0.01	N/A	General user	In real time
n7-34	AO3 output proportion	35260	-	%	-	Int16	0.1	N/A	General user	In real time
n7-35	AO3 actual output value	35161	-	-	-	Int16	0.01	N/A	General user	In real time

n8 Configuration of HIO module 2

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n8-00	Expansion slot selection	3440	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n8-01	Module online state	35117	-	-	-	Int16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n8-02	Module type selection	3674	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled 1: HIO-10 2: HIO-20 3: HIO-30									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n8-10	Configuration for DIO used as output	35168	-	-	-	UInt16	1	N/A	General user	In real time
n8-11	Original status of DI/DIO	35120	-	-	-	UInt16	1	N/A	General user	In real time

	input									
n8-12	Final state of DI/DIO input	35123	-	-	-	UInt16	1	N/A	General user	In real time
n8-13	RO/DIO output setting state	35291	-	-	-	UInt16	1	N/A	General user	In real time
n8-14	Final status of RO/DIO output	35129	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n8-15	AI input status word	35126	-	-	-	UInt16	1	N/A	General user	In real time
n8-20	AI1 input value	35132	-	-	-	Int16	0.01	N/A	General user	In real time
n8-21	AI1 input proportion	35246	-	%	-	Int16	0.1	N/A	General user	In real time
n8-22	AI2 input value	35138	-	-	-	Int16	0.01	N/A	General user	In real time
n8-23	AI2 input proportion	35249	-	%	-	Int16	0.1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n8-24	AI3 input value	35144	-	-	-	Int16	0.01	N/A	General user	In real time
n8-25	AI3 input proportion	35252	-	%	-	Int16	0.1	N/A	General user	In real time
n8-30	AO1 output proportion	35255	-	%	-	Int16	0.1	N/A	General user	In real time

n8-31	AO1 actual output value	35150	-	-	-	Int16	0.01	N/A	General user	In real time
n8-32	AO2 output proportion	35258	-	%	-	Int16	0.1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n8-33	AO2 actual output value	35156	-	-	-	Int16	0.01	N/A	General user	In real time
n8-34	AO3 output proportion	35261	-	%	-	Int16	0.1	N/A	General user	In real time
n8-35	AO3 actual output value	35162	-	-	-	Int16	0.01	N/A	General user	In real time

n9 Configuration of HIO module 3

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n9-00	Expansion slot selection	3441	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n9-01	Module online state	35118	-	-	-	Int16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n9-02	Module type selection	3675	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled 1: HIO-10 2: HIO-20 3: HIO-30									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n9-10	Configuration for DIO used as output	35169	-	-	-	UInt16	1	N/A	General user	In real time
n9-11	Original status of DI/DIO input	35121	-	-	-	UInt16	1	N/A	General user	In real time
n9-12	Final state of DI/DIO input	35124	-	-	-	UInt16	1	N/A	General user	In real time
n9-13	RO/DIO output setting state	35292	-	-	-	UInt16	1	N/A	General user	In real time
n9-14	Final status of RO/DIO output	35130	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n9-15	AI input status word	35127	-	-	-	UInt16	1	N/A	General user	In real time
n9-20	AI1 input value	35133	-	-	-	Int16	0.01	N/A	General user	In real time
n9-21	AI1 input proportion	35247	-	%	-	Int16	0.1	N/A	General user	In real time
n9-22	AI2 input value	35139	-	-	-	Int16	0.01	N/A	General user	In real time
n9-23	AI2 input proportion	35250	-	%	-	Int16	0.1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n9-24	AI3 input value	35145	-	-	-	Int16	0.01	N/A	General user	In real time
n9-25	AI3 input proportion	35253	-	%	-	Int16	0.1	N/A	General user	In real time
n9-30	AO1 output proportion	35256	-	%	-	Int16	0.1	N/A	General user	In real time
n9-31	AO1 actual output value	35151	-	-	-	Int16	0.01	N/A	General user	In real time
n9-32	AO2 output proportion	35259	-	%	-	Int16	0.1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n9-33	AO2 actual output value	35157	-	-	-	Int16	0.01	N/A	General user	In real time

n9-34	AO3 output proportion	35262	-	%	-	Int16	0.1	N/A	General user	In real time
n9-35	AO3 actual output value	35163	-	-	-	Int16	0.01	N/A	General user	In real time

n10 Modbus-RTU module

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n10-00	Expansion slot selection	1728	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n10-01	Module online state	33882	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n10-02	Modbus baud rate	1731	Refer to "Value"	-	7	UInt16	1	At stop	General user	In real time
	Value: 0: 1200 bps 1: 2400 bps 2: 4800 bps 3: 9600 bps 4: 19200 bps 5: 38400 bps 6: 57600 bps 7: 115200 bps									
	Description:									

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n10-03	Modbus data format	1732	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value: 0: Even parity check (8-E-1) 1: Odd parity check (8-O-1) 2: No parity check (8-N-2) 3: 8-N-1									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n10-04	Modbus local address	1733	-	-	1	UInt16	1	At stop	General user	In real time
n10-05	Modbus response delay	1734	-	ms	4	UInt16	1	At stop	General user	In real time
n10-06	Modbus communication timeout	1735	-	s	20	UInt16	0.1	At stop	General user	In real time

n11 CAN2.0 module

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-00	Expansion slot selection	1740	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3									

	3：Expansion slot 1_3　　7：Expansion slot 3_1									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-01	Module online state	33883	-	-	-	UInt16	1	N/A	General user	In real time
n11-02	CAN 2.0 node address	6951	-	-	1	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-03	Baud rate	6952	Refer to "Value"	-	5	UInt16	1	In real time	General user	In real time
	Value： 0：20 kbps　　4：250 kbps 1：50 kbps　　5：500 kbps 2：100 kbps　　6：1 Mbps 3：125 kbps									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-04	Frame type	6960	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Standard frame 1：Extended frame									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-05	OP function selection	6953	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value：									

	0：Inhibited 1：Enabled									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-09	Communication timeout	6958	-	s	0	UInt16	0.1	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-10	Source for determining communication timeout	6959	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：Communication data 1：Master heartbeat 2：Communication data or master heartbeat									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-11	Heartbeat production enable (local node)	6954	Refer to "Value"	-	1	UInt16	1	In real time	General user	In real time
	Value： 0：Inhibited 1：Enabled									
	Description： null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n11-12	Heartbeat production time (local node)	6955	-	ms	300	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-13	Heartbeat consumption enable (master)	6956	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Inhibited 1: Enabled									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-14	Heartbeat consumer node address (master)	6957	-	-	63	UInt16	1	In real time	General user	In real time
n11-22	RPDO1: CAN-ID [standard frame]	6971	-	-	-	UInt16	1	N/A	General user	In real time
n11-23	RPDO1 H: CAN-ID [extended frame]	6972	-	-	-	UInt16	1	N/A	General user	In real time
n11-24	RPDO1 L: CAN-ID [extended frame]	6973	-	-	-	UInt16	1	N/A	General user	In real time

n11-25	RPDO1 mode	6974	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-26	Number of mapped objects in RPDO1	6975	-	-	4	UInt16	1	In real time	General user	In real time
n11-27	RPDO2: CAN-ID [standard frame]	6976	-	-	-	UInt16	1	N/A	General user	In real time
n11-28	RPDO2 H: CAN-ID [extended frame]	6977	-	-	-	UInt16	1	N/A	General user	In real time
n11-29	RPDO2 L: CAN-ID [extended frame]	6978	-	-	-	UInt16	1	N/A	General user	In real time
n11-30	RPDO2 mode	6979	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-31	Number of RPDO2 mapping	6980	-	-	4	UInt16	1	In real time	General user	In real time
n11-32	RPDO3: CAN-ID [standard frame]	6981	-	-	-	UInt16	1	N/A	General user	In real time
n11-33	RPDO3 H: CAN-ID [extended frame]	6982	-	-	-	UInt16	1	N/A	General user	In real time
n11-34	RPDO3 L: CAN-ID [extended frame]	6983	-	-	-	UInt16	1	N/A	General user	In real time

n11-35	RPDO3 mode	6984	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-36	Number of RPDO3 mapping	6985	-	-	4	UInt16	1	In real time	General user	In real time
n11-37	RPDO4: CAN-ID [standard frame]	6986	-	-	-	UInt16	1	N/A	General user	In real time
n11-38	RPDO4 H: CAN-ID [extended frame]	6987	-	-	-	UInt16	1	N/A	General user	In real time
n11-39	RPDO4 L: CAN-ID [extended frame]	6988	-	-	-	UInt16	1	N/A	General user	In real time
n11-40	RPDO4 mode	6989	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-41	Number of RPDO4 mapping	6990	-	-	4	UInt16	1	In real time	General user	In real time
n11-42	TPDO1 CAN-ID [standard frame]	6991	-	-	-	UInt16	1	N/A	General user	In real time
n11-43	TPDO1 H: CAN-ID [extended frame]	6992	-	-	-	UInt16	1	N/A	General user	In real time
n11-44	TPDO1 L: CAN-ID [extended frame]	6993	-	-	-	UInt16	1	N/A	General user	In real time
n11-45	TPDO1 mode	6994	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-46	Number of TPDO1 mapping	6995	-	-	4	UInt16	1	In real time	General user	In real time
n11-47	TPDO1 transmission interval	6996	-	ms	50	UInt16	1	In real time	General user	In real time
n11-48	TPDO2 CAN-ID [standard frame]	6997	-	-	-	UInt16	1	N/A	General user	In real time
n11-49	TPDO2 H: CAN-ID [extended frame]	6998	-	-	-	UInt16	1	N/A	General user	In real time
n11-50	TPDO2 L: CAN-ID [extended frame]	6999	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-51	TPDO2 mode	7000	-	-	-	UInt16	1	N/A	General user	In real time
n11-52	Number of TPDO2 mapping	7001	-	-	4	UInt16	1	In real time	General user	In real time
n11-53	TPDO2 transmission interval	7002	-	ms	50	UInt16	1	In real time	General user	In real time
n11-54	TPDO3 CAN-ID [standard frame]	7003	-	-	-	UInt16	1	N/A	General user	In real time
n11-55	TPDO3 H: CAN-ID [extended frame]	7004	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-56	TPDO3 L: CAN-ID [extended frame]	7005	-	-	-	UInt16	1	N/A	General user	In real time
n11-57	TPDO3 mode	7006	-	-	-	UInt16	1	N/A	General user	In real time
n11-58	Number of TPDO3 mapping	7007	-	-	4	UInt16	1	In real time	General user	In real time
n11-59	TPDO3 transmission interval	7008	-	ms	50	UInt16	1	In real time	General user	In real time
n11-60	TPDO4 CAN-ID [standard frame]	7009	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n11-61	TPDO4 H: CAN-ID [extended frame]	7010	-	-	-	UInt16	1	N/A	General user	In real time
n11-62	TPDO4 L: CAN-ID [extended frame]	7011	-	-	-	UInt16	1	N/A	General user	In real time
n11-63	TPDO4 mode	7012	-	-	-	UInt16	1	N/A	General user	In real time
n11-64	Number of TPDO4 mapping	7013	-	-	4	UInt16	1	In real time	General user	In real time
n11-65	TPDO4 transmission interval	7014	-	ms	50	UInt16	1	In real time	General user	In real time
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n11-66	RPDO receive counter (monitoring parameter)	36408	-	-	0	UInt16	1	In real time	General user	In real time
n11-67	TPDO transmission counter (monitoring parameter)	36409	-	-	0	UInt16	1	In real time	General user	In real time
n11-68	RSDO receive counter (monitoring parameter)	36410	-	-	0	UInt16	1	In real time	General user	In real time
n11-69	TSDO transmission counter (monitoring parameter)	36411	-	-	0	UInt16	1	In real time	General user	In real time
n11-70	Load rate (monitoring parameter)	36412	-	%	0	UInt16	1	In real time	General user	In real time

n12 CANopen module

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n12-00	Expansion slot selection	1752	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n12-01	Module online state	33884	-	-	-	UInt16	1	N/A	General user	In real time
n12-02	CANopen node address	1755	-	-	1	UInt16	1	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n12-03	CANopen baud rate	1756	Refer to "Value"	-	5	UInt16	1	At stop	General user	In real time
	Value: 0: 20 kbps 1: 50 kbps 2: 100 kbps 3: 125 kbps 4: 250 kbps 5: 500 kbps 6: 1 Mbps									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n12-04	Maximum interval of adjacent RPDO frames	33090	-	ms	0	UInt16	1	In real time	General user	In real time

n12-05	Reception error count per unit time	33091	-	-	0	UInt16	1	In real time	General user	In real time
n12-06	Transmission error count per unit time	33092	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n12-07	Enter OP automatically upon power-on	1760	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Inhibited 1: Enabled									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n12-08	Transmitting boot-up upon communication timeout	1761	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Inhibited 1: Enabled									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n12-09	Communication timeout	1762	-	s	0	UInt16	0.1	At stop	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n12-10	CANopen configuration source	1763	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0：Default 1：Custom									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n12-11	RPDO1 CAN-ID	3055	-	-	0x0200	UInt16	1	In real time	General user	In real time
n12-12	RPDO1 mode	3059	-	-	255	UInt16	1	In real time	General user	In real time
n12-13	Number of mapped objects in RPDO1	3063	-	-	4	UInt16	1	In real time	General user	In real time
n12-14	RPDO2 CAN-ID	3056	-	-	0x0300	UInt16	1	In real time	General user	In real time
n12-15	RPDO2 mode	3060	-	-	255	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n12-16	Number of RPDO2 mapping	3064	-	-	4	UInt16	1	In real time	General user	In real time
n12-17	RPDO3 CAN-ID	3057	-	-	0x0400	UInt16	1	In real time	General user	In real time
n12-18	RPDO3 mode	3061	-	-	255	UInt16	1	In real time	General user	In real time
n12-19	Number of RPDO3 mapping	3065	-	-	0	UInt16	1	In real time	General user	In real time
n12-20	RPDO4	3058	-	-	0x0500	UInt16	1	In real	General	In real

	CAN-ID							time	user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n12-21	RPDO4 mode	3062	-	-	255	UInt16	1	In real time	General user	In real time
n12-22	Number of RPDO4 mapping	3066	-	-	0	UInt16	1	In real time	General user	In real time
n12-23	TPDO1 CAN-ID	3039	-	-	0x0180	UInt16	1	In real time	General user	In real time
n12-24	TPDO1 mode	3043	-	-	255	UInt16	1	In real time	General user	In real time
n12-25	Number of TPDO1 mapping	3047	-	-	4	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n12-26	TPDO1 transmission interval	3051	-	ms	50	UInt16	1	In real time	General user	In real time
n12-27	TPDO2 CAN-ID	3040	-	-	0x0280	UInt16	1	In real time	General user	In real time
n12-28	TPDO2 mode	3044	-	-	255	UInt16	1	In real time	General user	In real time
n12-29	Number of TPDO2 mapping	3048	-	-	4	UInt16	1	In real time	General user	In real time
n12-30	TPDO2 transmission interval	3052	-	ms	50	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n12-31	TPDO3 CAN-ID	3041	-	-	0x0380	UInt16	1	In real time	General user	In real time
n12-32	TPDO3 mode	3045	-	-	255	UInt16	1	In real time	General user	In real time

n12-33	Number of TPDO3 mapping	3049	-	-	0	UInt16	1	In real time	General user	In real time
n12-34	TPDO3 transmission interval	3053	-	ms	1000	UInt16	1	In real time	General user	In real time
n12-35	TPDO4 CAN-ID	3042	-	-	0x0480	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n12-36	TPDO4 mode	3046	-	-	255	UInt16	1	In real time	General user	In real time
n12-37	Number of TPDO4 mapping	3050	-	-	0	UInt16	1	In real time	General user	In real time
n12-38	TPDO4 transmission interval	3054	-	ms	1000	UInt16	1	In real time	General user	In real time

n13 EtherNet module

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n13-00	Expansion slot selection	1764	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n13-01	Module online state	33885	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n13-02	Automatic IP address allocation enable	2122	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disable 1: Enable									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n13-03	TCP/IP address 1	1767	-	-	192	UInt16	1	At stop	General user	In real time
n13-04	TCP/IP address 2	1768	-	-	168	UInt16	1	At stop	General user	In real time
n13-05	TCP/IP address 3	1769	-	-	10	UInt16	1	At stop	General user	In real time
n13-06	TCP/IP address 4	1770	-	-	253	UInt16	1	At stop	General user	In real time
n13-07	TCP/IP subnet mask address 1	2114	-	-	255	UInt16	1	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n13-08	TCP/IP subnet mask address 2	2115	-	-	255	UInt16	1	At stop	General user	In real time
n13-09	TCP/IP subnet mask	2116	-	-	255	UInt16	1	At stop	General user	In real time

	address 3									
n13-10	TCP/IP subnet mask address 4	2117	-	-	0	UInt16	1	At stop	General user	In real time
n13-11	TCP/IP gateway address 1	2118	-	-	192	UInt16	1	At stop	General user	In real time
n13-12	TCP/IP gateway address 2	2119	-	-	168	UInt16	1	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n13-13	TCP/IP gateway address 3	2120	-	-	10	UInt16	1	At stop	General user	In real time
n13-14	TCP/IP gateway address 4	2121	-	-	1	UInt16	1	At stop	General user	In real time

n14 EtherCAT module

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n14-00	Expansion slot selection	1776	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n14-01	Module online	33886	-	-	-	UInt16	1	N/A	General	In real

	state								user	time
n14-02	EtherCAT slave name	1779	-	-	1	UInt16	1	At stop	General user	In real time
n14-03	EtherCAT slave alias	1780	-	-	1	UInt16	1	At stop	General user	In real time
n14-04	Number of sync interrupts allowed by EtherCAT	1781	-	-	4	UInt16	1	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n14-06	Function switch for alias setting	1783	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Set by n14-03 1: Set by host controller master									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n14-11	Number of reception errors of port 1_0	33336	-	-	0	UInt16	1	In real time	General user	In real time
n14-12	Number of invalid frames over port 1_0	33337	-	-	0	UInt16	1	In real time	General user	In real time
n14-13	Maximum number of transmiss	33338	-	-	0	UInt16	1	In real time	General user	In real time

	ion errors of port 1_0									
n14-14	Number of PDI and processing unit errors	33339	-	-	0	UInt16	1	In real time	General user	In real time
n14-15	Number of link loss events of port 1_0	33340	-	-	0	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n14-16	Number of sync loss events	33341	-	-	0	UInt16	1	In real time	General user	In real time
n14-17	Application layer fault code	33342	-	-	0	UInt16	1	In real time	General user	In real time
n14-18	State machine & port link state	33343	-	-	0	UInt16	1	In real time	General user	In real time
n14-22	InoBus scheduling cycle	6717	-	μs	1000	UInt16	1	In real time	General user	In real time

n15 HDVN module

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n15-00	Expansion slot selection	1788	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value:									

	0：Disabled 1：Expansion slot 1_1 2：Expansion slot 1_2 3：Expansion slot 1_3 4：Expansion slot 2_1 5：Expansion slot 2_2 6：Expansion slot 2_3 7：Expansion slot 3_1									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n15-01	Module online state	33887	-	-	-	UInt16	1	N/A	General user	In real time
n15-02	HDVN node address configuration	1791	-	-	63	UInt16	1	At stop	General user	In real time
n15-03	Actual address of HDVN node	35552	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n15-04	HDVN node baud rate configuration	1792	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0：125 kbps 1：250 kbps 2：500 kbps 3：Auto-tuned									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n15-05	Actual baud rate of HDVN	35553	-	-	-	Int16	1	N/A	General user	In real time

	node									
n15-06	Number of I/O connection input words	4185	-	-	0	UInt16	1	At stop	General user	In real time
n15-07	Actual number of I/O input words	35554	-	-	-	Int16	1	N/A	General user	In real time
n15-08	Number of I/O connection output words	4186	-	-	0	UInt16	1	At stop	General user	In real time
n15-09	Actual number of I/O output words	35555	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n15-10	HDVN feature code	4188	-	-	0	UInt16	1	At stop	General user	In real time
n15-11	Info display timeout period	4187	-	-	0	UInt16	0.1	In real time	General user	In real time
n15-12	Bus offline count threshold	1793	-	-	0.3	UInt16	0.1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n15-13	Communication offline action	1794	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time

	Value： 0：Keep offline 1：Reset and continue communication
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n15-14	Vendor ID	1795	-	-	1	UInt16	1	At stop	General user	In real time
n15-15	Product type	1796	-	-	0	UInt16	1	At stop	General user	In real time
n15-16	Product code	1797	-	-	0	UInt16	1	At stop	General user	In real time
n15-17	Major revision	1798	-	-	0	UInt16	1	At stop	General user	In real time
n15-18	Minor revision	1799	-	-	0	UInt16	1	At stop	General user	In real time

n16 PROFIBUS-DP module

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n16-00	Expansion slot selection	1800	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0：Disabled 1：Expansion slot 1_1 2：Expansion slot 1_2 3：Expansion slot 1_3 4：Expansion slot 2_1 5：Expansion slot 2_2 6：Expansion slot 2_3 7：Expansion slot 3_1									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n16-01	Module online state	33888	-	-	-	UInt16	1	N/A	General user	In real time

n16-02	Expansion card station number	1803	-	-	1	UInt16	1	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n16-09	Feature code	1810	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Default 1: 0806 2: 0956 3: 8045 4: 0812 5: 0815 6: 6012 7: 80b5 8: 4149 9: 0572 10: 4150 11: 0612+JH 12: 0812+SL 13: 0959v2.145 14: 0959v2.161 15: Reserved 16: Reserved									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n16-10	PROFIBUS-DP data check bit	1811	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: PZD1.bit10 (default) 1: Off 2: PZD1.bit0 3: PZD1.bit1 4: PZD1.bit2 5: PZD1.bit3 6: PZD1.bit4 7: PZD1.bit5 8: PZD1.bit6 9: PZD1.bit7 10: PZD1.bit8 11: PZD1.bit9 12: PZD1.bit10 13: PZD1.bit11 14: PZD1.bit12 15: PZD1.bit13 16: PZD1.bit14 17: PZD1.bit15									
	Description: null									

n17 PROFINET I/O module

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n17-00	Expansion slot	1812	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

	selection									
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n17-01	Module online state	33889	-	-	-	UInt16	1	N/A	General user	In real time
n17-03	MAC address word 1	34833	-	-	-	UInt16	1	N/A	General user	In real time
n17-04	MAC address word 2	34834	-	-	-	UInt16	1	N/A	General user	In real time
n17-05	MAC address word 3	34835	-	-	-	UInt16	1	N/A	General user	In real time

n18 Custom communication module

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n18-00	Expansion slot selection	2163	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n18-01	Module online state	33925	-	-	-	UInt16	1	N/A	General user	In real time
n18-02	Expansion slot module type	33490	-	-	-	UInt16	1	N/A	General user	In real time
n18-03	Custom communication module ID	2916	-	-	0	UInt16	1	At stop	General user	In real time
n18-11	Custom communication module parameter 1	2166	-	-	0	UInt16	1	At stop	General user	In real time
n18-12	Custom communication module parameter 2	2164	-	-	0	UInt16	1	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n18-13	Custom communication module parameter 3	2165	-	-	0	UInt16	1	At stop	General user	In real time
n18-14	Custom communication module parameter 4	2167	-	-	0	UInt16	1	At stop	General user	In real time
n18-15	Custom	2168	-	-	0	UInt16	1	At stop	General	In real

	communication module parameter 5								user	time
n18-16	Custom communication module parameter 6	2169	-	-	0	UInt16	1	At stop	General user	In real time
n18-17	Custom communication module parameter 7	2170	-	-	0	UInt16	1	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n18-18	Custom communication module parameter 8	2171	-	-	0	UInt16	1	At stop	General user	In real time
n18-19	Custom communication module parameter 9	2172	-	-	0	UInt16	1	At stop	General user	In real time
n18-20	Custom communication module parameter 10	2173	-	-	0	UInt16	1	At stop	General user	In real time
n18-21	Custom communication module	2174	-	-	0	UInt16	1	At stop	General user	In real time

	parameter 11									
n18-22	Custom communication module parameter 12	2345	-	-	0	UInt16	1	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n18-23	Custom communication module parameter 13	2346	-	-	0	UInt16	1	At stop	General user	In real time
n18-24	Custom communication module parameter 14	2347	-	-	0	UInt16	1	At stop	General user	In real time
n18-25	Custom communication module parameter 15	2348	-	-	0	UInt16	1	At stop	General user	In real time
n18-26	Custom communication module parameter 16	2349	-	-	0	UInt16	1	At stop	General user	In real time
n18-27	Custom communication module parameter 17	2350	-	-	0	UInt16	1	At stop	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n18-28	Custom communication module parameter 18	2351	-	-	0	UInt16	1	At stop	General user	In real time

n19 Synchronous voltage detection module

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n19-00	Expansion slot selection	2236	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n19-01	Module type selection	1562	-	-	-	UInt16	1	N/A	General user	In real time
n19-02	Module online state	33945	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n19-10	[HSVM-10] voltage sampling frequenc	2237	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

	y									
	Value: 0: 40 K sampling frequency 1: 80 K sampling frequency 2: 160 K sampling frequency 3: 320 K sampling frequency									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n19-11	[HSVM-10] voltage sampling delay	2238	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Not delayed 1: Delayed									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n19-12	[HSVM-10] number of data entries received by module	34964	-	-	-	UInt16	1	N/A	General user	In real time
n19-13	[HSVM-10] reserved	34967	-	-	-	UInt16	1	N/A	General user	In real time
n19-14	[HSVM-10] reserved	34970	-	-	-	Int16	1	N/A	General user	In real time
n19-15	[HSVM-10] module Usr	34973	-	-	-	Int16	1	N/A	General user	In real time

	sampling AD value									
n19-16	[HSVM-10] module Ust sampling AD value	34976	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n19-17	[HSVM-10] module temperature sampling AD value	34979	-	-	-	UInt16	1	N/A	General user	In real time
n19-18	[HSVM-10] module combination flag word	33330	-	-	-	UInt16	1	N/A	General user	In real time
n19-19	[HSVM-10] module function flag word	33333	-	-	-	UInt16	1	N/A	General user	In real time

n23 Parameter setting of HIO module 1 (HIO-10)

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-00	Filter time of DI/DIO input	3442	-	s	0.001	UInt16	0.001	At stop	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n23-09	DIO positive/ negative logic	3460	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
bit0	DIO1 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit1	DIO2 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit2	DIO3 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit3	DIO4 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit4	DIO5 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit5	DIO6 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-10	DIO1 as DO signal	3463	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

	source									
	Value： 0： Used as DI Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-11	DIO1 switch-on delay	3466	-	s	0	UInt16	0.01	At stop	General user	In real time
n23-12	DIO1 switch-off delay	3469	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-13	DIO2 as DO signal source	3472	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0： Used as DI Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-14	DIO2 switch-on delay	3475	-	s	0	UInt16	0.01	At stop	General user	In real time
n23-15	DIO2 switch-off delay	3478	-	s	0	UInt16	0.01	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-20	RO positive/negative logic	3493	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
bit0	RO1 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level
bit1	RO2 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level
bit2	RO3 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level
bit3	RO4 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-21	RO1 signal source	3496	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Low level
1: High level
Others: B connector

Description:

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-22	RO1 switch-on delay	3499	-	s	0	UInt16	0.01	At stop	General user	In real time
n23-23	RO1 switch-off delay	3502	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-35	Selection when AI value lower than the set minimum input	3520	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
Ones-	Selection when AI1 lower than minimum input setpoint	0: Minimum input proportion 1: 0.0%
Tens-	Selection when AI2 lower than minimum input setpoint	0: Minimum input proportion 1: 0.0%
Hundreds-	Selection when AI3 lower than minimum input setpoint	0: Minimum input proportion 1: 0.0%

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n23-36	AI open circuit monitoring	3523	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
Ones-	AI1 open circuit monitoring	0: Disabled 1: Enabled
Tens-	AI2 open circuit monitoring	0: Disabled 1: Enabled
Hundreds-	AI3 open circuit monitoring	0: Disabled 1: Enabled

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-37	Zero-crossing threshold of AI setting	3526	-	%	0.0	UInt16	0.1	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-40	AI1 selection	3529	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time

Value:
0: Inhibited
1: Enabled
Others: B connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n23-41	AI1 type	3532	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0：-10 to +10 V 1：0 V to 10 V 2：-20 mA to +20 mA 3：0 mA to 20 mA 4：4 mA to 20 mA									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-42	Minimum input value of AI1 curve	3535	-	-	-10	Int16	0.001	In real time	General user	In real time
n23-43	Minimum input proportion of AI1 curve	3538	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n23-44	Max. input value of AI1 curve	3541	-	-	10	Int16	0.001	In real time	General user	In real time
n23-45	Max. input proportion of AI1 curve	3544	-	%	100.0	Int16	0.1	In real time	General user	In real time
n23-46	AI1 filter time	3547	-	s	0	UInt16	0.001	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-47	AI1 denoising	3550	-	%	0.0	UInt16	0.1	In real time	General user	In real time

	threshold									
n23-48	AI1 open circuit monitoring threshold	3553	-	mA	2	UInt16	0.001	In real time	General user	In real time
n23-49	AI1 open circuit monitoring delay	3556	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-50	AI2	3559	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value: 0: Inhibited 1: Enabled Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-51	AI2 type	3562	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: -10 to +10 V 1: 0 V to 10 V 2: -20 mA to +20 mA 3: 0 mA to 20 mA 4: 4 mA to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n23-52	Minimum input value of AI2 curve	3565	-	-	-10	Int16	0.001	In real time	General user	In real time
n23-53	Minimum input proportion of AI2 curve	3568	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n23-54	Max. input value of AI2 curve	3571	-	-	10	Int16	0.001	In real time	General user	In real time
n23-55	Max. input proportion of AI2 curve	3574	-	%	100.0	Int16	0.1	In real time	General user	In real time
n23-56	AI2 filter time	3577	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-57	AI2 denoising threshold	3580	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n23-58	AI2 open circuit monitoring threshold	3583	-	mA	2	UInt16	0.001	In real time	General user	In real time
n23-59	AI2 open circuit monitoring delay	3586	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n23-70	AO1 signal source	3619	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-71	AO1 type	3622	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 to 10 V 1: 0 to 20 mA 2: 4 to 20 mA									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-72	Minimum output proportion of AO1 curve	3625	-	%	0.0	Int16	0.1	In real time	General user	In real time
n23-73	Minimum output value of AO1 curve	3628	-	-	0	UInt16	0.001	In real time	General user	In real time
n23-74	Maximum output proportio	3631	-	%	100.0	Int16	0.1	In real time	General user	In real time

	n of AO1 curve									
n23-75	Maximum output value of AO1 curve	3634	-	-	10	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-80	AO2 signal source	3637	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-81	AO2 type	3640	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 to 10 V 1: 0 to 20 mA 2: 4 to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n23-82	Minimum output proportion of AO2	3643	-	%	0.0	Int16	0.1	In real time	General user	In real time

	curve									
n23-83	Minimum output value of AO2 curve	3646	-	-	0	UInt16	0.001	In real time	General user	In real time
n23-84	Maximum output proportion of AO2 curve	3649	-	%	100.0	Int16	0.1	In real time	General user	In real time
n23-85	Maximum output value of AO2 curve	3652	-	-	10	UInt16	0.001	In real time	General user	In real time

n24 Parameter setting of HIO module 1 (HIO-20)

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n24-00	Filter time of DI/DIO input	3442	-	s	0.001	UInt16	0.001	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n24-09	DIO positive/ negative logic	3460	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time
	Value: Bit / Name / Value									

bit0	DIO1 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit1	DIO2 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit2	DIO3 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit3	DIO4 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit4	DIO5 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit5	DIO6 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n24-10	DIO1 as DO signal source	3463	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Used as DI
Others: B connector

Description:
null

Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n24-11	DIO1 switch-on delay	3466	-	s	0	UInt16	0.01	At stop	General user	In real time
n24-12	DIO1 switch-off delay	3469	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n24-13	DIO2 as DO signal source	3472	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0： Used as DI Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n24-14	DIO2 switch-on delay	3475	-	s	0	UInt16	0.01	At stop	General user	In real time
n24-15	DIO2 switch-off delay	3478	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n24-16	DIO3 as DO signal source	3481	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value：									

	0：Used as DI Others：B connector
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n24-17	DIO4 as DO signal source	3484	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0：Used as DI Others：B connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n24-18	DIO5 as DO signal source	3487	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0：Used as DI Others：B connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n24-20	RO positive/ negative logic	3493	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time
	Value： Bit / Name / Value									

bit0	RO1 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	
bit1	RO2 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	
bit2	RO3 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	
bit3	RO4 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n24-21	RO1 signal source	3496	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Low level
1: High level
Others: B connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n24-22	RO1 switch-on delay	3499	-	s	0	UInt16	0.01	At stop	General user	In real time
n24-23	RO1	3502	-	s	0	UInt16	0.01	At stop	General	In real

	switch-off delay								user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n24-24	RO2 signal source	3505	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0： Low level 1： High level Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n24-25	RO2 switch-on delay	3508	-	s	0	UInt16	0.01	At stop	General user	In real time
n24-26	RO2 switch-off delay	3511	-	s	0	UInt16	0.01	At stop	General user	In real time

n25 Parameter setting of HIO module 1 (HIO-30)

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-00	Filter time of DI/DIO input	3442	-	s	0.001	UInt16	0.001	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

<table>
<tr><td rowspan="3">n25-01</td><td>DI positive/ negative logic</td><td>3445</td><td>Refer to "Value"</td><td>-</td><td>0x0</td><td>UInt16</td><td>1</td><td>At stop</td><td>General user</td><td>In real time</td></tr>
<tr><td colspan="10">Value：<table>
<tr><th>Bit</th><th>Name</th><th>Value</th></tr>
<tr><td>bit0</td><td>DI1 positive/negative logic</td><td>0: Logic 1 corresponds to high level
1: Logic 1 corresponds to low level</td></tr>
<tr><td>bit1</td><td>DI2 positive/negative logic</td><td>0: Logic 1 corresponds to high level
1: Logic 1 corresponds to low level</td></tr>
<tr><td>bit2</td><td>DI3 positive/negative logic</td><td>0: Logic 1 corresponds to high level
1: Logic 1 corresponds to low level</td></tr>
<tr><td>bit3</td><td>DI4 positive/negative logic</td><td>0: Logic 1 corresponds to high level
1: Logic 1 corresponds to low level</td></tr>
<tr><td>bit4</td><td>DI5 positive/negative logic</td><td>0: Logic 1 corresponds to high level
1: Logic 1 corresponds to low level</td></tr>
<tr><td>bit5</td><td>DI6 positive/negative logic</td><td>0: Logic 1 corresponds to high level
1: Logic 1 corresponds to low level</td></tr>
</table></td></tr>
<tr><td colspan="10">Description：
null</td></tr>
</table>

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-02	DI1 switch-on delay	3448	-	s	0	UInt16	0.01	At stop	General user	In real time
n25-03	DI1	3451	-	s	0	UInt16	0.01	At stop	General	In real

	switch-off delay								user	time
n25-04	DI2 switch-on delay	3454	-	s	0	UInt16	0.01	At stop	General user	In real time
n25-05	DI2 switch-off delay	3457	-	s	0	UInt16	0.01	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-09	DIO positive/negative logic	3460	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
bit0	DIO1 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit1	DIO2 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit2	DIO3 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit3	DIO4 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit4	DIO5 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level

bit5	DIO6 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-10	DIO1 as DO signal source	3463	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Used as DI
Others: B connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-11	DIO1 switch-on delay	3466	-	s	0	UInt16	0.01	At stop	General user	In real time
n25-12	DIO1 switch-off delay	3469	-	s	0	UInt16	0.01	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-13	DIO2 as DO signal source	3472	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Used as DI
Others: B connector

	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-14	DIO2 switch-on delay	3475	-	s	0	UInt16	0.01	At stop	General user	In real time
n25-15	DIO2 switch-off delay	3478	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-16	DIO3 as DO signal source	3481	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0： Used as DI Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-17	DIO4 as DO signal source	3484	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0： Used as DI Others： B connector									
	Description： null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n25-18	DIO5 as DO signal source	3487	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Used as DI Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-19	DIO6 as DO signal source	3490	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Used as DI Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-20	RO positive/ negative logic	3493	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time
	Value: Bit: bit0 — Name: RO1 positive/negative logic — Value: 0: Logic 1 outputs high level; 1: Logic 1 outputs low level									

bit1	RO2 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	
bit2	RO3 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	
bit3	RO4 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-21	RO1 signal source	3496	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Low level
1: High level
Others: B connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-22	RO1 switch-on delay	3499	-	s	0	UInt16	0.01	At stop	General user	In real time
n25-23	RO1 switch-off delay	3502	-	s	0	UInt16	0.01	At stop	General user	In real time

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n25-24	RO2 signal source	3505	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-25	RO2 switch-on delay	3508	-	s	0	UInt16	0.01	At stop	General user	In real time
n25-26	RO2 switch-off delay	3511	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-27	RO3 signal source	3514	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-28	RO4	3517	Refer to	-	0	UInt16	1	At stop	General	In real

	signal source		"Value"						user	time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-35	Selection when AI value lower than the set minimum input	3520	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: Bit / Name / Value: Ones- / Selection when AI1 lower than minimum input setpoint / 0: Minimum input proportion 1: 0.0% Tens- / Selection when AI2 lower than minimum input setpoint / 0: Minimum input proportion 1: 0.0% Hundreds- / Selection when AI3 lower than minimum input setpoint / 0: Minimum input proportion 1: 0.0%									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-36	AI open circuit	3523	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

	monitoring									

Value:

Bit	Name	Value
Ones-	AI1 open circuit monitoring	0: Disabled 1: Enabled
Tens-	AI2 open circuit monitoring	0: Disabled 1: Enabled
Hundreds-	AI3 open circuit monitoring	0: Disabled 1: Enabled

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-37	Zero-crossing threshold of AI setting	3526	-	%	0.0	UInt16	0.1	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-40	AI1 selection	3529	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time

Value:
0: Inhibited
1: Enabled
Others: B connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-41	AI1 type	3532	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

	Value： 0：-10 to +10 V 1：0 V to 10 V 2：-20 mA to +20 mA 3：0 mA to 20 mA 4：4 mA to 20 mA
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-42	Minimum input value of AI1 curve	3535	-	-	-10	Int16	0.001	In real time	General user	In real time
n25-43	Minimum input proportion of AI1 curve	3538	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n25-44	Max. input value of AI1 curve	3541	-	-	10	Int16	0.001	In real time	General user	In real time
n25-45	Max. input proportion of AI1 curve	3544	-	%	100.0	Int16	0.1	In real time	General user	In real time
n25-46	AI1 filter time	3547	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-47	AI1 denoising threshold	3550	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n25-48	AI1 open circuit	3553	-	mA	2	UInt16	0.001	In real	General	In real

	monitoring threshold							time	user	time
n25-49	AI1 open circuit monitoring delay	3556	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-50	AI2	3559	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value: 0: Inhibited 1: Enabled Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-51	AI2 type	3562	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: -10 to +10 V 1: 0 V to 10 V 2: -20 mA to +20 mA 3: 0 mA to 20 mA 4: 4 mA to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-52	Minimum input value of AI2 curve	3565	-	-	-10	Int16	0.001	In real time	General user	In real time

n25-53	Minimum input proportion of AI2 curve	3568	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n25-54	Max. input value of AI2 curve	3571	-	-	10	Int16	0.001	In real time	General user	In real time
n25-55	Max. input proportion of AI2 curve	3574	-	%	100.0	Int16	0.1	In real time	General user	In real time
n25-56	AI2 filter time	3577	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-57	AI2 denoising threshold	3580	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n25-58	AI2 open circuit monitoring threshold	3583	-	mA	2	UInt16	0.001	In real time	General user	In real time
n25-59	AI2 open circuit monitoring delay	3586	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-60	AI3	3589	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value:									

	0：Inhibited 1：Enabled Others：B connector
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-61	AI3 type	3592	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0：-10 to +10 V 1：0 V to 10 V 2：-20 mA to +20 mA 3：0 mA to 20 mA 4：4 mA to 20 mA									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-62	Minimum input value of AI3 curve	3595	-	-	-10	Int16	0.001	In real time	General user	In real time
n25-63	Minimum input proportion of AI3 curve	3598	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n25-64	Max. input value of AI3 curve	3601	-	-	10	Int16	0.001	In real time	General user	In real time
n25-65	Max. input proportion of AI3	3604	-	%	100.0	Int16	0.1	In real time	General user	In real time

	curve									
n25-66	AI3 filter time	3607	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-67	AI3 denoising threshold	3610	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n25-68	AI3 open circuit monitoring threshold	3613	-	mA	2	UInt16	0.001	In real time	General user	In real time
n25-69	AI3 open circuit monitoring delay	3616	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-70	AO1 signal source	3619	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-71	AO1 type	3622	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value:									

	0：0 to 10 V 1：0 to 20 mA 2：4 to 20 mA									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-72	Minimum output proportion of AO1 curve	3625	-	%	0.0	Int16	0.1	In real time	General user	In real time
n25-73	Minimum output value of AO1 curve	3628	-	-	0	UInt16	0.001	In real time	General user	In real time
n25-74	Maximum output proportion of AO1 curve	3631	-	%	100.0	Int16	0.1	In real time	General user	In real time
n25-75	Maximum output value of AO1 curve	3634	-	-	10	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-80	AO2 signal source	3637	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0：0 Others：K connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-81	AO2 type	3640	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 to 10 V 1: 0 to 20 mA 2: 4 to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-82	Minimum output proportion of AO2 curve	3643	-	%	0.0	Int16	0.1	In real time	General user	In real time
n25-83	Minimum output value of AO2 curve	3646	-	-	0	UInt16	0.001	In real time	General user	In real time
n25-84	Maximum output proportion of AO2 curve	3649	-	%	100.0	Int16	0.1	In real time	General user	In real time
n25-85	Maximum output value of AO2 curve	3652	-	-	10	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n25-90	AO3 signal source	3655	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-91	AO3 type	3658	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 to 10 V 1: 0 to 20 mA 2: 4 to 20 mA									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n25-92	Minimum output proportion of AO3 curve	3661	-	%	0.0	Int16	0.1	In real time	General user	In real time
n25-93	Minimum output value of AO3 curve	3664	-	-	0	UInt16	0.001	In real time	General user	In real time
n25-94	Maximum output	3667	-	%	100.0	Int16	0.1	In real time	General user	In real time

	proportion of AO3 curve									
n25-95	Maximum output value of AO3 curve	3670	-	-	10	UInt16	0.001	In real time	General user	In real time

n26 Parameter setting of HIO module 2 (HIO-10)

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-00	Filter time of DI/DIO input	3443	-	s	0.001	UInt16	0.001	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-09	DIO positive/negative logic	3461	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
bit0	DIO1 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit1	DIO2 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level

bit2	DIO3 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level	
bit3	DIO4 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level	
bit4	DIO5 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level	
bit5	DIO6 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-10	DIO1 as DO signal source	3464	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Used as DI
Others: B connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-11	DIO1 switch-on delay	3467	-	s	0	UInt16	0.01	At stop	General user	In real time
n26-12	DIO1 switch-off	3470	-	s	0	UInt16	0.01	At stop	General user	In real time

	delay									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-13	DIO2 as DO signal source	3473	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Used as DI Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-14	DIO2 switch-on delay	3476	-	s	0	UInt16	0.01	At stop	General user	In real time
n26-15	DIO2 switch-off delay	3479	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-20	RO positive/ negative logic	3494	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
bit0	RO1 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level

bit1	RO2 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	
bit2	RO3 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	
bit3	RO4 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-21	RO1 signal source	3497	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Low level
1: High level
Others: B connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-22	RO1 switch-on delay	3500	-	s	0	UInt16	0.01	At stop	General user	In real time
n26-23	RO1 switch-off delay	3503	-	s	0	UInt16	0.01	At stop	General user	In real time

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n26-35	Selection when AI value lower than the set minimum input	3521	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
Ones-	Selection when AI1 lower than minimum input setpoint	0: Minimum input proportion 1: 0.0%
Tens-	Selection when AI2 lower than minimum input setpoint	0: Minimum input proportion 1: 0.0%
Hundreds-	Selection when AI3 lower than minimum input setpoint	0: Minimum input proportion 1: 0.0%

Description:

null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-36	AI open circuit monitoring	3524	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
Ones-	AI1 open circuit monitoring	0: Disabled 1: Enabled
Tens-	AI2 open circuit monitoring	0: Disabled 1: Enabled
Hundreds-	AI3 open circuit monitoring	0: Disabled 1: Enabled

Description:

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-37	Zero-crossing threshold of AI setting	3527	-	%	0.0	UInt16	0.1	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-40	AI1 selection	3530	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value: 0: Inhibited 1: Enabled Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-41	AI1 type	3533	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: -10 to +10 V 1: 0 V to 10 V 2: -20 mA to +20 mA 3: 0 mA to 20 mA 4: 4 mA to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-42	Minimum	3536	-	-	-10	Int16	0.001	In real	General	In real

	input value of AI1 curve							time	user	time
n26-43	Minimum input proportion of AI1 curve	3539	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n26-44	Max. input value of AI1 curve	3542	-	-	10	Int16	0.001	In real time	General user	In real time
n26-45	Max. input proportion of AI1 curve	3545	-	%	100.0	Int16	0.1	In real time	General user	In real time
n26-46	AI1 filter time	3548	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-47	AI1 denoising threshold	3551	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n26-48	AI1 open circuit monitoring threshold	3554	-	mA	2	UInt16	0.001	In real time	General user	In real time
n26-49	AI1 open circuit monitoring delay	3557	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n26-50	AI2	3560	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value: 0: Inhibited 1: Enabled Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-51	AI2 type	3563	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: -10 to +10 V 1: 0 V to 10 V 2: -20 mA to +20 mA 3: 0 mA to 20 mA 4: 4 mA to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-52	Minimum input value of AI2 curve	3566	-	-	-10	Int16	0.001	In real time	General user	In real time
n26-53	Minimum input proportion of AI2 curve	3569	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n26-54	Max. input value of AI2 curve	3572	-	-	10	Int16	0.001	In real time	General user	In real time
n26-55	Max.	3575	-	%	100.0	Int16	0.1	In real	General	In real

	input proportion of AI2 curve							time	user	time
n26-56	AI2 filter time	3578	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-57	AI2 denoising threshold	3581	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n26-58	AI2 open circuit monitoring threshold	3584	-	mA	2	UInt16	0.001	In real time	General user	In real time
n26-59	AI2 open circuit monitoring delay	3587	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-70	AO1 signal source	3620	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-71	AO1 type	3623	Refer to	-	0	UInt16	1	At stop	General	In real

			"Value"						user	time
	Value: 0: 0 to 10 V 1: 0 to 20 mA 2: 4 to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-72	Minimum output proportion of AO1 curve	3626	-	%	0.0	Int16	0.1	In real time	General user	In real time
n26-73	Minimum output value of AO1 curve	3629	-	-	0	UInt16	0.001	In real time	General user	In real time
n26-74	Maximum output proportion of AO1 curve	3632	-	%	100.0	Int16	0.1	In real time	General user	In real time
n26-75	Maximum output value of AO1 curve	3635	-	-	10	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-80	AO2 signal source	3638	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

	Value： 0：0 Others：K connector
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-81	AO2 type	3641	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0：0 to 10 V 1：0 to 20 mA 2：4 to 20 mA									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n26-82	Minimum output proportion of AO2 curve	3644	-	%	0.0	Int16	0.1	In real time	General user	In real time
n26-83	Minimum output value of AO2 curve	3647	-	-	0	UInt16	0.001	In real time	General user	In real time
n26-84	Maximum output proportion of AO2 curve	3650	-	%	100.0	Int16	0.1	In real time	General user	In real time
n26-85	Maximum output	3653	-	-	10	UInt16	0.001	In real time	General user	In real time

	value of AO2 curve									

n27 Parameter setting of HIO module 2 (HIO-20)

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-00	Filter time of DI/DIO input	3443	-	s	0.001	UInt16	0.001	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-09	DIO positive/ negative logic	3461	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
bit0	DIO1 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit1	DIO2 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit2	DIO3 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit3	DIO4 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level

bit4	DIO5 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level	
bit5	DIO6 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-10	DIO1 as DO signal source	3464	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Used as DI
Others: B connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-11	DIO1 switch-on delay	3467	-	s	0	UInt16	0.01	At stop	General user	In real time
n27-12	DIO1 switch-off delay	3470	-	s	0	UInt16	0.01	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-13	DIO2 as DO signal source	3473	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

	Value： 0： Used as DI Others： B connector
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-14	DIO2 switch-on delay	3476	-	s	0	UInt16	0.01	At stop	General user	In real time
n27-15	DIO2 switch-off delay	3479	-	s	0	UInt16	0.01	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-16	DIO3 as DO signal source	3482	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0： Used as DI Others： B connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-17	DIO4 as DO signal source	3485	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0： Used as DI Others： B connector									
	Description：									

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-18	DIO5 as DO signal source	3488	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Used as DI Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-20	RO positive/negative logic	3494	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
bit0	RO1 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level
bit1	RO2 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level
bit2	RO3 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level
bit3	RO4 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-21	RO1 signal source	3497	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-22	RO1 switch-on delay	3500	-	s	0	UInt16	0.01	At stop	General user	In real time
n27-23	RO1 switch-off delay	3503	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-24	RO2 signal source	3506	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n27-25	RO2 switch-on delay	3509	-	s	0	UInt16	0.01	At stop	General user	In real time
n27-26	RO2 switch-off delay	3512	-	s	0	UInt16	0.01	At stop	General user	In real time

n28 Parameter setting of HIO module 2 (HIO-30)

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-00	Filter time of DI/DIO input	3443	-	s	0.001	UInt16	0.001	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-01	DI positive/ negative logic	3446	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
bit0	DI1 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit1	DI2 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level

bit2	DI3 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit3	DI4 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit4	DI5 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit5	DI6 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-02	DI1 switch-on delay	3449	-	s	0	UInt16	0.01	At stop	General user	In real time
n28-03	DI1 switch-off delay	3452	-	s	0	UInt16	0.01	At stop	General user	In real time
n28-04	DI2 switch-on delay	3455	-	s	0	UInt16	0.01	At stop	General user	In real time
n28-05	DI2 switch-off delay	3458	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-09	DIO positive/	3461	Refer to	-	0x0	UInt16	1	At stop	General	In real

	negative logic		"Value"						user	time

Value:

Bit	Name	Value
bit0	DIO1 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit1	DIO2 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit2	DIO3 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit3	DIO4 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit4	DIO5 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit5	DIO6 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level

Description:

null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-10	DIO1 as DO signal source	3464	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:

0: Used as DI

	Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-11	DIO1 switch-on delay	3467	-	s	0	UInt16	0.01	At stop	General user	In real time
n28-12	DIO1 switch-off delay	3470	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-13	DIO2 as DO signal source	3473	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0： Used as DI Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-14	DIO2 switch-on delay	3476	-	s	0	UInt16	0.01	At stop	General user	In real time
n28-15	DIO2 switch-off delay	3479	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n28-16	DIO3 as DO signal source	3482	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Used as DI Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-17	DIO4 as DO signal source	3485	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Used as DI Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-18	DIO5 as DO signal source	3488	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Used as DI Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-19	DIO6 as DO signal	3491	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

	source									
	Value： 0： Used as DI Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-20	RO positive/negative logic	3494	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value：

Bit	Name	Value
bit0	RO1 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level
bit1	RO2 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level
bit2	RO3 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level
bit3	RO4 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-21	RO1	3497	Refer to	-	0	UInt16	1	At stop	General	In real

	signal source		"Value"						user	time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-22	RO1 switch-on delay	3500	-	s	0	UInt16	0.01	At stop	General user	In real time
n28-23	RO1 switch-off delay	3503	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-24	RO2 signal source	3506	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-25	RO2 switch-on delay	3509	-	s	0	UInt16	0.01	At stop	General user	In real time

n28-26	RO2 switch-off delay	3512	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-27	RO3 signal source	3515	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-28	RO4 signal source	3518	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-35	Selection when AI value lower than the set minimum	3521	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

	input									

Value:

Bit	Name	Value
Ones-	Selection when AI1 lower than minimum input setpoint	0: Minimum input proportion 1: 0.0%
Tens-	Selection when AI2 lower than minimum input setpoint	0: Minimum input proportion 1: 0.0%
Hundreds-	Selection when AI3 lower than minimum input setpoint	0: Minimum input proportion 1: 0.0%

Description:

null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-36	AI open circuit monitoring	3524	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
Ones-	AI1 open circuit monitoring	0: Disabled 1: Enabled
Tens-	AI2 open circuit monitoring	0: Disabled 1: Enabled
Hundreds-	AI3 open circuit monitoring	0: Disabled 1: Enabled

Description:

null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-37	Zero-crossing threshold	3527	-	%	0.0	UInt16	0.1	At stop	General user	In real time

	of AI setting									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-40	AI1 selection	3530	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value: 0: Inhibited 1: Enabled Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-41	AI1 type	3533	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: -10 to +10 V 1: 0 V to 10 V 2: -20 mA to +20 mA 3: 0 mA to 20 mA 4: 4 mA to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-42	Minimum input value of AI1 curve	3536	-	-	-10	Int16	0.001	In real time	General user	In real time
n28-43	Minimum input proportion of AI1 curve	3539	-	%	-100.0	Int16	0.1	In real time	General user	In real time

n28-44	Max. input value of AI1 curve	3542	-	-	10	Int16	0.001	In real time	General user	In real time
n28-45	Max. input proportion of AI1 curve	3545	-	%	100.0	Int16	0.1	In real time	General user	In real time
n28-46	AI1 filter time	3548	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-47	AI1 denoising threshold	3551	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n28-48	AI1 open circuit monitoring threshold	3554	-	mA	2	UInt16	0.001	In real time	General user	In real time
n28-49	AI1 open circuit monitoring delay	3557	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-50	AI2	3560	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value: 0: Inhibited 1: Enabled Others: B connector									
	Description:									

	null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-51	AI2 type	3563	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: -10 to +10 V 1: 0 V to 10 V 2: -20 mA to +20 mA 3: 0 mA to 20 mA 4: 4 mA to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-52	Minimum input value of AI2 curve	3566	-	-	-10	Int16	0.001	In real time	General user	In real time
n28-53	Minimum input proportion of AI2 curve	3569	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n28-54	Max. input value of AI2 curve	3572	-	-	10	Int16	0.001	In real time	General user	In real time
n28-55	Max. input proportion of AI2 curve	3575	-	%	100.0	Int16	0.1	In real time	General user	In real time
n28-56	AI2 filter time	3578	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n28-57	AI2 denoising threshold	3581	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n28-58	AI2 open circuit monitoring threshold	3584	-	mA	2	UInt16	0.001	In real time	General user	In real time
n28-59	AI2 open circuit monitoring delay	3587	-	s	1	UInt16	0.01	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-60	AI3	3590	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value: 0: Inhibited 1: Enabled Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-61	AI3 type	3593	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: -10 to +10 V 1: 0 V to 10 V 2: -20 mA to +20 mA 3: 0 mA to 20 mA 4: 4 mA to 20 mA									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-62	Minimum input value of AI3 curve	3596	-	-	-10	Int16	0.001	In real time	General user	In real time
n28-63	Minimum input proportion of AI3 curve	3599	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n28-64	Max. input value of AI3 curve	3602	-	-	10	Int16	0.001	In real time	General user	In real time
n28-65	Max. input proportion of AI3 curve	3605	-	%	100.0	Int16	0.1	In real time	General user	In real time
n28-66	AI3 filter time	3608	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-67	AI3 denoising threshold	3611	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n28-68	AI3 open circuit monitoring threshold	3614	-	mA	2	UInt16	0.001	In real time	General user	In real time
n28-69	AI3 open circuit monitorin	3617	-	s	1	UInt16	0.01	In real time	General user	In real time

	g delay									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-70	AO1 signal source	3620	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-71	AO1 type	3623	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 to 10 V 1: 0 to 20 mA 2: 4 to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-72	Minimum output proportion of AO1 curve	3626	-	%	0.0	Int16	0.1	In real time	General user	In real time
n28-73	Minimum output value of AO1 curve	3629	-	-	0	UInt16	0.001	In real time	General user	In real time

n28-74	Maximum output proportion of AO1 curve	3632	-	%	100.0	Int16	0.1	In real time	General user	In real time
n28-75	Maximum output value of AO1 curve	3635	-	-	10	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-80	AO2 signal source	3638	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-81	AO2 type	3641	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 to 10 V 1: 0 to 20 mA 2: 4 to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-82	Minimum	3644	-	%	0.0	Int16	0.1	In real	General	In real

	output proportion of AO2 curve							time	user	time
n28-83	Minimum output value of AO2 curve	3647	-	-	0	UInt16	0.001	In real time	General user	In real time
n28-84	Maximum output proportion of AO2 curve	3650	-	%	100.0	Int16	0.1	In real time	General user	In real time
n28-85	Maximum output value of AO2 curve	3653	-	-	10	UInt16	0.001	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-90	AO3 signal source	3656	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-91	AO3 type	3659	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value:									

	0：0 to 10 V 1：0 to 20 mA 2：4 to 20 mA
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n28-92	Minimum output proportion of AO3 curve	3662	-	%	0.0	Int16	0.1	In real time	General user	In real time
n28-93	Minimum output value of AO3 curve	3665	-	-	0	UInt16	0.001	In real time	General user	In real time
n28-94	Maximum output proportion of AO3 curve	3668	-	%	100.0	Int16	0.1	In real time	General user	In real time
n28-95	Maximum output value of AO3 curve	3671	-	-	10	UInt16	0.001	In real time	General user	In real time

n29 Parameter setting of HIO module 3 (HIO-10)

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-00	Filter time of DI/DIO	3444	-	s	0.001	UInt16	0.001	At stop	General user	In real time

	input									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-09	DIO positive/negative logic	3462	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
bit0	DIO1 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit1	DIO2 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit2	DIO3 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit3	DIO4 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit4	DIO5 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit5	DIO6 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level

Description:

null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n29-10	DIO1 as DO signal source	3465	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Used as DI Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-11	DIO1 switch-on delay	3468	-	s	0	UInt16	0.01	At stop	General user	In real time
n29-12	DIO1 switch-off delay	3471	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-13	DIO2 as DO signal source	3474	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Used as DI Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-14	DIO2 switch-on delay	3477	-	s	0	UInt16	0.01	At stop	General user	In real time
n29-15	DIO2	3480	-	s	0	UInt16	0.01	At stop	General	In real

	switch-off delay								user	time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-20	RO positive/ negative logic	3495	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
bit0	RO1 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level
bit1	RO2 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level
bit2	RO3 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level
bit3	RO4 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-21	RO1 signal source	3498	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:

0: Low level

1: High level

	Others： B connector
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-22	RO1 switch-on delay	3501	-	s	0	UInt16	0.01	At stop	General user	In real time
n29-23	RO1 switch-off delay	3504	-	s	0	UInt16	0.01	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-35	Selection when AI value lower than the set minimum input	3522	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value：

Bit	Name	Value
Ones-	Selection when AI1 lower than minimum input setpoint	0: Minimum input proportion 1: 0.0%
Tens-	Selection when AI2 lower than minimum input setpoint	0: Minimum input proportion 1: 0.0%
Hundreds-	Selection when AI3 lower than minimum input setpoint	0: Minimum input proportion 1: 0.0%

Description：
null

Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n29-36	AI open circuit monitoring	3525	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
Ones-	AI1 open circuit monitoring	0: Disabled 1: Enabled
Tens-	AI2 open circuit monitoring	0: Disabled 1: Enabled
Hundreds-	AI3 open circuit monitoring	0: Disabled 1: Enabled

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-37	Zero-crossing threshold of AI setting	3528	-	%	0.0	UInt16	0.1	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-40	AI1 selection	3531	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time

Value:
0: Inhibited
1: Enabled
Others: B connector

Description:
null

Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n29-41	AI1 type	3534	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: -10 to +10 V 1: 0 V to 10 V 2: -20 mA to +20 mA 3: 0 mA to 20 mA 4: 4 mA to 20 mA									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-42	Minimum input value of AI1 curve	3537	-	-	-10	Int16	0.001	In real time	General user	In real time
n29-43	Minimum input proportion of AI1 curve	3540	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n29-44	Max. input value of AI1 curve	3543	-	-	10	Int16	0.001	In real time	General user	In real time
n29-45	Max. input proportion of AI1 curve	3546	-	%	100.0	Int16	0.1	In real time	General user	In real time
n29-46	AI1 filter time	3549	-	s	0	UInt16	0.001	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n29-47	AI1 denoising threshold	3552	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n29-48	AI1 open circuit monitoring threshold	3555	-	mA	2	UInt16	0.001	In real time	General user	In real time
n29-49	AI1 open circuit monitoring delay	3558	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-50	AI2	3561	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value: 0: Inhibited 1: Enabled Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-51	AI2 type	3564	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: -10 to +10 V 1: 0 V to 10 V 2: -20 mA to +20 mA 3: 0 mA to 20 mA 4: 4 mA to 20 mA									
	Description: null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n29-52	Minimum input value of AI2 curve	3567	-	-	-10	Int16	0.001	In real time	General user	In real time
n29-53	Minimum input proportion of AI2 curve	3570	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n29-54	Max. input value of AI2 curve	3573	-	-	10	Int16	0.001	In real time	General user	In real time
n29-55	Max. input proportion of AI2 curve	3576	-	%	100.0	Int16	0.1	In real time	General user	In real time
n29-56	AI2 filter time	3579	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-57	AI2 denoising threshold	3582	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n29-58	AI2 open circuit monitoring threshold	3585	-	mA	2	UInt16	0.001	In real time	General user	In real time
n29-59	AI2 open circuit monitoring delay	3588	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n29-70	AO1 signal source	3621	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-71	AO1 type	3624	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 to 10 V 1: 0 to 20 mA 2: 4 to 20 mA									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-72	Minimum output proportion of AO1 curve	3627	-	%	0.0	Int16	0.1	In real time	General user	In real time
n29-73	Minimum output value of AO1 curve	3630	-	-	0	UInt16	0.001	In real time	General user	In real time
n29-74	Maximum output	3633	-	%	100.0	Int16	0.1	In real time	General user	In real time

	proportion of AO1 curve									
n29-75	Maximum output value of AO1 curve	3636	-	-	10	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-80	AO2 signal source	3639	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-81	AO2 type	3642	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 to 10 V 1: 0 to 20 mA 2: 4 to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n29-82	Minimum output proportio	3645	-	%	0.0	Int16	0.1	In real time	General user	In real time

	n of AO2 curve									
n29-83	Minimum output value of AO2 curve	3648	-	-	0	UInt16	0.001	In real time	General user	In real time
n29-84	Maximum output proportion of AO2 curve	3651	-	%	100.0	Int16	0.1	In real time	General user	In real time
n29-85	Maximum output value of AO2 curve	3654	-	-	10	UInt16	0.001	In real time	General user	In real time

n30 Parameter setting of HIO module 3 (HIO-20)

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n30-00	Filter time of DI/DIO input	3444	-	s	0.001	UInt16	0.001	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n30-09	DIO positive/ negative logic	3462	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time
	Value: Bit / Name / Value									

bit0	DIO1 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit1	DIO2 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit2	DIO3 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit3	DIO4 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit4	DIO5 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit5	DIO6 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n30-10	DIO1 as DO signal source	3465	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Used as DI
Others: B connector

Description:
null

Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n30-11	DIO1 switch-on delay	3468	-	s	0	UInt16	0.01	At stop	General user	In real time
n30-12	DIO1 switch-off delay	3471	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n30-13	DIO2 as DO signal source	3474	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0： Used as DI Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n30-14	DIO2 switch-on delay	3477	-	s	0	UInt16	0.01	At stop	General user	In real time
n30-15	DIO2 switch-off delay	3480	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n30-16	DIO3 as DO signal source	3483	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value：									

	0：Used as DI Others：B connector
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n30-17	DIO4 as DO signal source	3486	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0：Used as DI Others：B connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n30-18	DIO5 as DO signal source	3489	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0：Used as DI Others：B connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n30-20	RO positive/ negative logic	3495	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time
	Value： Bit | Name | Value									

bit0	RO1 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	
bit1	RO2 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	
bit2	RO3 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	
bit3	RO4 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n30-21	RO1 signal source	3498	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Low level
1: High level
Others: B connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n30-22	RO1 switch-on delay	3501	-	s	0	UInt16	0.01	At stop	General user	In real time
n30-23	RO1	3504	-	s	0	UInt16	0.01	At stop	General	In real

	switch-off delay								user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n30-24	RO2 signal source	3507	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0： Low level 1： High level Others： B connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n30-25	RO2 switch-on delay	3510	-	s	0	UInt16	0.01	At stop	General user	In real time
n30-26	RO2 switch-off delay	3513	-	s	0	UInt16	0.01	At stop	General user	In real time

n31 Parameter setting of HIO module 3 (HIO-30)

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-00	Filter time of DI/DIO input	3444	-	s	0.001	UInt16	0.001	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n31-01	DI positive/ negative logic	3447	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
bit0	DI1 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit1	DI2 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit2	DI3 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit3	DI4 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit4	DI5 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit5	DI6 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level

Description:

null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-02	DI1 switch-on delay	3450	-	s	0	UInt16	0.01	At stop	General user	In real time
n31-03	DI1	3453	-	s	0	UInt16	0.01	At stop	General	In real

	switch-off delay								user	time
n31-04	DI2 switch-on delay	3456	-	s	0	UInt16	0.01	At stop	General user	In real time
n31-05	DI2 switch-off delay	3459	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-09	DIO positive/negative logic	3462	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
bit0	DIO1 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit1	DIO2 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit2	DIO3 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit3	DIO4 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level
bit4	DIO5 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level

bit5	DIO6 positive/negative logic	0: Logic 1 corresponds to high level 1: Logic 1 corresponds to low level	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-10	DIO1 as DO signal source	3465	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Used as DI
Others: B connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-11	DIO1 switch-on delay	3468	-	s	0	UInt16	0.01	At stop	General user	In real time
n31-12	DIO1 switch-off delay	3471	-	s	0	UInt16	0.01	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-13	DIO2 as DO signal source	3474	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Used as DI
Others: B connector

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-14	DIO2 switch-on delay	3477	-	s	0	UInt16	0.01	At stop	General user	In real time
n31-15	DIO2 switch-off delay	3480	-	s	0	UInt16	0.01	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-16	DIO3 as DO signal source	3483	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Used as DI Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-17	DIO4 as DO signal source	3486	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Used as DI Others: B connector									
	Description: null									
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n31-18	DIO5 as DO signal source	3489	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Used as DI Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-19	DIO6 as DO signal source	3492	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Used as DI Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-20	RO positive/ negative logic	3495	Refer to "Value"	-	0x0	UInt16	1	At stop	General user	In real time

Value:

Bit	Name	Value
bit0	RO1 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level

bit1	RO2 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	
bit2	RO3 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	
bit3	RO4 positive/negative logic	0: Logic 1 outputs high level 1: Logic 1 outputs low level	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-21	RO1 signal source	3498	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

Value:
0: Low level
1: High level
Others: B connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-22	RO1 switch-on delay	3501	-	s	0	UInt16	0.01	At stop	General user	In real time
n31-23	RO1 switch-off delay	3504	-	s	0	UInt16	0.01	At stop	General user	In real time

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n31-24	RO2 signal source	3507	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-25	RO2 switch-on delay	3510	-	s	0	UInt16	0.01	At stop	General user	In real time
n31-26	RO2 switch-off delay	3513	-	s	0	UInt16	0.01	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-27	RO3 signal source	3516	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-28	RO4	3519	Refer to	-	0	UInt16	1	At stop	General	In real

	signal source		"Value"						user	time
	Value: 0: Low level 1: High level Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-35	Selection when AI value lower than the set minimum input	3522	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: Bit / Name / Value Ones- / Selection when AI1 lower than minimum input setpoint / 0: Minimum input proportion 1: 0.0% Tens- / Selection when AI2 lower than minimum input setpoint / 0: Minimum input proportion 1: 0.0% Hundreds- / Selection when AI3 lower than minimum input setpoint / 0: Minimum input proportion 1: 0.0%									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-36	AI open circuit	3525	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

	monitoring									

Value:

Bit	Name	Value
Ones-	AI1 open circuit monitoring	0: Disabled 1: Enabled
Tens-	AI2 open circuit monitoring	0: Disabled 1: Enabled
Hundreds-	AI3 open circuit monitoring	0: Disabled 1: Enabled

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-37	Zero-crossing threshold of AI setting	3528	-	%	0.0	UInt16	0.1	At stop	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-40	AI1 selection	3531	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time

Value:
0: Inhibited
1: Enabled
Others: B connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-41	AI1 type	3534	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time

	Value： 0：-10 to +10 V 1：0 V to 10 V 2：-20 mA to +20 mA 3：0 mA to 20 mA 4：4 mA to 20 mA
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-42	Minimum input value of AI1 curve	3537	-	-	-10	Int16	0.001	In real time	General user	In real time
n31-43	Minimum input proportion of AI1 curve	3540	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n31-44	Max. input value of AI1 curve	3543	-	-	10	Int16	0.001	In real time	General user	In real time
n31-45	Max. input proportion of AI1 curve	3546	-	%	100.0	Int16	0.1	In real time	General user	In real time
n31-46	AI1 filter time	3549	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-47	AI1 denoising threshold	3552	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n31-48	AI1 open circuit	3555	-	mA	2	UInt16	0.001	In real	General	In real

	monitoring threshold							time	user	time
n31-49	AI1 open circuit monitoring delay	3558	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-50	AI2	3561	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value: 0: Inhibited 1: Enabled Others: B connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-51	AI2 type	3564	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: -10 to +10 V 1: 0 V to 10 V 2: -20 mA to +20 mA 3: 0 mA to 20 mA 4: 4 mA to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-52	Minimum input value of AI2 curve	3567	-	-	-10	Int16	0.001	In real time	General user	In real time

n31-53	Minimum input proportion of AI2 curve	3570	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n31-54	Max. input value of AI2 curve	3573	-	-	10	Int16	0.001	In real time	General user	In real time
n31-55	Max. input proportion of AI2 curve	3576	-	%	100.0	Int16	0.1	In real time	General user	In real time
n31-56	AI2 filter time	3579	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-57	AI2 denoising threshold	3582	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n31-58	AI2 open circuit monitoring threshold	3585	-	mA	2	UInt16	0.001	In real time	General user	In real time
n31-59	AI2 open circuit monitoring delay	3588	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-60	AI3	3591	Refer to "Value"	-	1	UInt16	1	At stop	General user	In real time
	Value:									

	0：Inhibited 1：Enabled Others：B connector
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-61	AI3 type	3594	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0：-10 to +10 V 1：0 V to 10 V 2：-20 mA to +20 mA 3：0 mA to 20 mA 4：4 mA to 20 mA									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-62	Minimum input value of AI3 curve	3597	-	-	-10	Int16	0.001	In real time	General user	In real time
n31-63	Minimum input proportion of AI3 curve	3600	-	%	-100.0	Int16	0.1	In real time	General user	In real time
n31-64	Max. input value of AI3 curve	3603	-	-	10	Int16	0.001	In real time	General user	In real time
n31-65	Max. input proportion of AI3	3606	-	%	100.0	Int16	0.1	In real time	General user	In real time

	curve									
n31-66	AI3 filter time	3609	-	s	0	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-67	AI3 denoising threshold	3612	-	%	0.0	UInt16	0.1	In real time	General user	In real time
n31-68	AI3 open circuit monitoring threshold	3615	-	mA	2	UInt16	0.001	In real time	General user	In real time
n31-69	AI3 open circuit monitoring delay	3618	-	s	1	UInt16	0.01	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-70	AO1 signal source	3621	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-71	AO1 type	3624	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value:									

	0：0 to 10 V 1：0 to 20 mA 2：4 to 20 mA
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-72	Minimum output proportion of AO1 curve	3627	-	%	0.0	Int16	0.1	In real time	General user	In real time
n31-73	Minimum output value of AO1 curve	3630	-	-	0	UInt16	0.001	In real time	General user	In real time
n31-74	Maximum output proportion of AO1 curve	3633	-	%	100.0	Int16	0.1	In real time	General user	In real time
n31-75	Maximum output value of AO1 curve	3636	-	-	10	UInt16	0.001	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-80	AO2 signal source	3639	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value： 0：0 Others：K connector									

	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-81	AO2 type	3642	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 to 10 V 1: 0 to 20 mA 2: 4 to 20 mA									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-82	Minimum output proportion of AO2 curve	3645	-	%	0.0	Int16	0.1	In real time	General user	In real time
n31-83	Minimum output value of AO2 curve	3648	-	-	0	UInt16	0.001	In real time	General user	In real time
n31-84	Maximum output proportion of AO2 curve	3651	-	%	100.0	Int16	0.1	In real time	General user	In real time
n31-85	Maximum output value of AO2 curve	3654	-	-	10	UInt16	0.001	In real time	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
n31-90	AO3 signal source	3657	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-91	AO3 type	3660	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: 0 to 10 V 1: 0 to 20 mA 2: 4 to 20 mA									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n31-92	Minimum output proportion of AO3 curve	3663	-	%	0.0	Int16	0.1	In real time	General user	In real time
n31-93	Minimum output value of AO3 curve	3666	-	-	0	UInt16	0.001	In real time	General user	In real time
n31-94	Maximum output	3669	-	%	100.0	Int16	0.1	In real time	General user	In real time

	proportion of AO3 curve									
n31-95	Maximum output value of AO3 curve	3672	-	-	10	UInt16	0.001	In real time	General user	In real time

n37 Custom communication module 2

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n37-00	Expansion slot selection	5050	Refer to "Value"	-	0	UInt16	1	At stop	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n37-01	Module online state	35303	Refer to "Value"	-	0	UInt16	1	N/A	General user	In real time
	Value: 0: Offline 1: Online 2: Not supported									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n37-02	Expansion slot module type	35304	Refer to "Value"	-	0	UInt16	1	N/A	General user	In real time
	Value: 0: No expansion card 17: I/O module HIO-10 32: Encoder detection module PG-10 35: Encoder detection module PG-40 36: Encoder detection module PG-50 48: Synchronous voltage measurement module HSVM-10 49: Synchronous voltage measurement module HSVM-20 64: HINT module (HE200 rectifier) 96: HOFR module 112: PROFIBUS-DP module 113: CANopen module 114: CANLink module 115: Modbus-RTU module 116: Modbus TCP module 117: Profinet IO module 118: EtherCAT module 119: CAN 2.0 module 121: Ethernet module 122: DeviceNet module 123: CAN monitoring module 124: IBA module 125: HYAS module 126: Ethernet/IP module									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n37-03	Custom communication module ID	5098	-	-	0	UInt16	1	At stop	General user	In real time
n37-11	Parameter 1 of custom communication module 2	5032	-	-	0	UInt16	1	At stop	General user	In real time
n37-12	Parameter 2 of custom communication module 2	5033	-	-	0	UInt16	1	At stop	General user	In real time
n37-13	Parameter 3 of	5034	-	-	0	UInt16	1	At stop	General user	In real time

	custom communication module 2									
n37-14	Parameter 4 of custom communication module 2	5035	-	-	0	UInt16	1	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n37-15	Parameter 5 of custom communication module 2	5036	-	-	0	UInt16	1	At stop	General user	In real time
n37-16	Parameter 6 of custom communication module 2	5037	-	-	0	UInt16	1	At stop	General user	In real time
n37-17	Parameter 7 of custom communication module 2	5038	-	-	0	UInt16	1	At stop	General user	In real time
n37-18	Parameter 8 of custom communication module 2	5039	-	-	0	UInt16	1	At stop	General user	In real time
n37-19	Parameter 9 of custom communication	5040	-	-	0	UInt16	1	At stop	General user	In real time

	module 2									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n37-20	Parameter 10 of custom communication module 2	5041	-	-	0	UInt16	1	At stop	General user	In real time
n37-21	Parameter 11 of custom communication module 2	5042	-	-	0	UInt16	1	At stop	General user	In real time
n37-22	Parameter 12 of custom communication module 2	5043	-	-	0	UInt16	1	At stop	General user	In real time
n37-23	Parameter 13 of custom communication module 2	5044	-	-	0	UInt16	1	At stop	General user	In real time
n37-24	Parameter 14 of custom communication module 2	5045	-	-	0	UInt16	1	At stop	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n37-25	Parameter 15 of custom communication	5046	-	-	0	UInt16	1	At stop	General user	In real time

	module 2									
n37-26	Parameter 16 of custom communication module 2	5047	-	-	0	UInt16	1	At stop	General user	In real time
n37-27	Parameter 17 of custom communication module 2	5048	-	-	0	UInt16	1	At stop	General user	In real time
n37-28	Parameter 18 of custom communication module 2	5049	-	-	0	UInt16	1	At stop	General user	In real time

n41 EtherNet/IP module

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n41-00	Expansion slot selection	7306	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Disabled 1: Expansion slot 1_1 2: Expansion slot 1_2 3: Expansion slot 1_3 4: Expansion slot 2_1 5: Expansion slot 2_2 6: Expansion slot 2_3 7: Expansion slot 3_1									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n41-01	Module online state	36807	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n41-02	DHCP function selection	7287	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Inhibited 1: Enabled									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n41-03	IP address 1	7288	-	-	192	UInt16	1	In real time	General user	In real time
n41-04	IP address 2	7289	-	-	168	UInt16	1	In real time	General user	In real time
n41-05	IP address 3	7290	-	-	0	UInt16	1	In real time	General user	In real time
n41-06	IP address 4	7291	-	-	10	UInt16	1	In real time	General user	In real time
n41-07	Subnet mask address 1	7292	-	-	255	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n41-08	Subnet mask address 2	7293	-	-	255	UInt16	1	In real time	General user	In real time
n41-09	Subnet mask address 3	7294	-	-	255	UInt16	1	In real time	General user	In real time
n41-10	Subnet mask address 4	7295	-	-	0	UInt16	1	In real time	General user	In real time
n41-11	Gateway address 1	7296	-	-	192	UInt16	1	In real time	General user	In real time
n41-12	Gateway address 2	7297	-	-	168	UInt16	1	In real time	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n41-13	Gateway address 3	7298	-	-	0	UInt16	1	In real time	General user	In real time
n41-14	Gateway address 4	7299	-	-	1	UInt16	1	In real time	General user	In real time
n41-15	MAC address 1	7300	-	-	0	UInt16	1	In real time	General user	In real time
n41-16	MAC address 2	7301	-	-	0	UInt16	1	In real time	General user	In real time
n41-17	MAC address 3	7302	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n41-18	MAC address 4	7303	-	-	0	UInt16	1	In real time	General user	In real time
n41-19	MAC address 5	7304	-	-	0	UInt16	1	In real time	General user	In real time
n41-20	MAC address 6	7305	-	-	0	UInt16	1	In real time	General user	In real time

n53 Double word input of process data of fieldbus adapter A

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-00	PZD double word input of adapter A	7052	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0-	PZD1+2 input	0: Inhibited 1: Enabled
bit1-	PZD2+3 input	0: Inhibited 1: Enabled

bit2-	PZD3+4 input	0: Inhibited 1: Enabled
bit3-	PZD4+5 input	0: Inhibited 1: Enabled
bit4-	PZD5+6 input	0: Inhibited 1: Enabled
bit5-	PZD6+7 input	0: Inhibited 1: Enabled
bit6-	PZD7+8 input	0: Inhibited 1: Enabled
bit7-	PZD8+9 input	0: Inhibited 1: Enabled
bit8-	PZD9+10 input	0: Inhibited 1: Enabled
bit9-	PZD10+11 input	0: Inhibited 1: Enabled
bit10-	PZD11+12 input	0: Inhibited 1: Enabled
bit11-	PZD12+13 input	0: Inhibited 1: Enabled
bit12-	PZD13+14 input	0: Inhibited 1: Enabled
bit13-	PZD14+15 input	0: Inhibited 1: Enabled
bit14-	PZD15+16 input	0: Inhibited 1: Enabled
bit15-	Reserved	0: Inhibited 1: Enabled

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-01	High/Low word selection of PZD double word	7053	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

	input of adapter A									

Value:

Bit	Name	Value
bit0-	PZD1+2 input	0: PZD1 low word, PZD2 high word 1: PZD1 high word, PZD2 low word
bit1-	PZD2+3 input	0: PZD2 low word, PZD3 high word 1: PZD2 high word, PZD3 low word
bit2-	PZD3+4 input	0: PZD3 low word, PZD4 high word 1: PZD3 high word, PZD4 low word
bit3-	PZD4+5 input	0: PZD4 low word, PZD5 high word 1: PZD4 high word, PZD5 low word
bit4-	PZD5+6 input	0: PZD5 low word, PZD6 high word 1: PZD5 high word, PZD6 low word
bit5-	PZD6+7 input	0: PZD6 low word, PZD7 high word 1: PZD6 high word, PZD7 low word
bit6-	PZD7+8 input	0: PZD7 low word, PZD8 high word 1: PZD7 high word, PZD8 low word
bit7-	PZD8+9 input	0: PZD8 low word, PZD9 high word 1: PZD8 high word, PZD9 low word
bit8-	PZD9+10 input	0: PZD9 low word, PZD10 high word 1: PZD9 high word, PZD10 low word

bit9-	PZD10+11 input	0: PZD10 low word, PZD11 high word 1: PZD10 high word, PZD11 low word
bit10-	PZD11+12 input	0: PZD11 low word, PZD12 high word 1: PZD11 high word, PZD12 low word
bit11-	PZD12+13 input	0: PZD12 low word, PZD13 high word 1: PZD12 high word, PZD13 low word
bit12-	PZD13+14 input	0: PZD13 low word, PZD14 high word 1: PZD13 high word, PZD14 low word
bit13-	PZD14+15 input	0: PZD14 low word, PZD15 high word 1: PZD14 high word, PZD15 low word
bit14-	PZD15+16 input	0: PZD15 low word, PZD16 high word 1: PZD15 high word, PZD16 low word
bit15-	Reserved	0: Inhibited 1: Enabled

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-02	Communication base value of PZD1+2 data input	7054	-	-	0	UInt32	1	In real time	General user	In real time
n53-03	Communi	7056	-	-	0	UInt32	1	In real	General	In real

	cation base value of PZD2+3 data input							time	user	time
n53-04	Communication base value of PZD3+4 data input	7058	-	-	0	UInt32	1	In real time	General user	In real time
n53-05	Communication base value of PZD4+5 data input	7060	-	-	0	UInt32	1	In real time	General user	In real time
n53-06	Communication base value of PZD5+6 data input	7062	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-07	Communication base value of PZD6+7 data input	7064	-	-	0	UInt32	1	In real time	General user	In real time
n53-08	Communication	7066	-	-	0	UInt32	1	In real time	General user	In real time

	base value of PZD7+8 data input									
n53-09	Communication base value of PZD8+9 data input	7068	-	-	0	UInt32	1	In real time	General user	In real time
n53-10	Communication base value of PZD9+10 data input	7070	-	-	0	UInt32	1	In real time	General user	In real time
n53-11	Communication base value of PZD10+11 data input	7072	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-12	Communication base value of PZD11+12 data input	7074	-	-	0	UInt32	1	In real time	General user	In real time
n53-13	Communication base	7076	-	-	0	UInt32	1	In real time	General user	In real time

	value of PZD12+13 data input									
n53-14	Communication base value of PZD13+14 data input	7078	-	-	0	UInt32	1	In real time	General user	In real time
n53-15	Communication base value of PZD14+15 data input	7080	-	-	0	UInt32	1	In real time	General user	In real time
n53-16	Communication base value of PZD15+16 data input	7082	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-17	Original input data display of PZD1+2 of adapter A	36447	-	-	-	Int32	1	N/A	General user	In real time
n53-18	Original input data of PZD2+3 of adapter A	36449	-	-	-	Int32	1	N/A	General user	In real time

n53-19	Original input data of PZD3+4 of adapter A	36451	-	-	-	Int32	1	N/A	General user	In real time
n53-20	Original input data of PZD4+5 of adapter A	36453	-	-	-	Int32	1	N/A	General user	In real time
n53-21	Original input data of PZD5+6 of adapter A	36455	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-22	Original input data of PZD6+7 of adapter A	36457	-	-	-	Int32	1	N/A	General user	In real time
n53-23	Original input data of PZD7+8 of adapter A	36459	-	-	-	Int32	1	N/A	General user	In real time
n53-24	Original input data of PZD8+9 of adapter A	36461	-	-	-	Int32	1	N/A	General user	In real time
n53-25	Original input data of PZD9+10 of	36463	-	-	-	Int32	1	N/A	General user	In real time

	adapter A									
n53-26	Original input data of PZD10+11 of adapter A	36465	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-27	Original input data of PZD11+12 of adapter A	36467	-	-	-	Int32	1	N/A	General user	In real time
n53-28	Original input data of PZD12+13 of adapter A	36469	-	-	-	Int32	1	N/A	General user	In real time
n53-29	Original input data of PZD13+14 of adapter A	36471	-	-	-	Int32	1	N/A	General user	In real time
n53-30	Original input data of PZD14+15 of adapter A	36473	-	-	-	Int32	1	N/A	General user	In real time
n53-31	Original input data of PZD15+16 of	36475	-	-	-	Int32	1	N/A	General user	In real time

	adapter A									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-32	PZD1+2 data input (after base value conversion) of adapter A	37382	-	-	-	Int32	1	N/A	General user	In real time
n53-33	PZD2+3 input data (after base value conversion) of adapter A	37384	-	-	-	Int32	1	N/A	General user	In real time
n53-34	PZD3+4 input data (after base value conversion) of adapter A	37386	-	-	-	Int32	1	N/A	General user	In real time
n53-35	PZD4+5 data input (after base value conversion) of adapter A	37388	-	-	-	Int32	1	N/A	General user	In real time

n53-36	PZD5+6 data input (after base value conversion) of adapter A	37390	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-37	PZD6+7 data input (after base value conversion) of adapter A	37392	-	-	-	Int32	1	N/A	General user	In real time
n53-38	PZD7+8 input data (after base value conversion) of adapter A	37394	-	-	-	Int32	1	N/A	General user	In real time
n53-39	PZD8+9 input data (after base value conversion) of adapter A	37396	-	-	-	Int32	1	N/A	General user	In real time
n53-40	PZD9+10	37398	-	-	-	Int32	1	N/A	General	In real

	input data (after base value conversion) of adapter A								user	time
n53-41	PZD10+11 input data (after base value conversion) of adapter A	37400	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-42	PZD11+12 input data (after base value conversion) of adapter A	37402	-	-	-	Int32	1	N/A	General user	In real time
n53-43	PZD12+13 input data (after base value conversion) of adapter A	37404	-	-	-	Int32	1	N/A	General user	In real time
n53-44	PZD13+14 input	37406	-	-	-	Int32	1	N/A	General user	In real time

	data (after base value conversion) of adapter A									
n53-45	PZD14+15 input data (after base value conversion) of adapter A	37408	-	-	-	Int32	1	N/A	General user	In real time
n53-46	PZD15+16 input data (after base value conversion) of adapter A	37410	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-47	Extension PZD double word input of adapter A	7647	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0-	PZD17+18 input	0: Inhibited 1: Enabled

bit1-	PZD18+19 input	0: Inhibited 1: Enabled
bit2-	PZD19+20 input	0: Inhibited 1: Enabled
bit3-	PZD20+21 input	0: Inhibited 1: Enabled
bit4-	PZD21+22 input	0: Inhibited 1: Enabled
bit5-	PZD22+23 input	0: Inhibited 1: Enabled
bit6-	PZD23+24 input	0: Inhibited 1: Enabled
bit7-	PZD24+25 input	0: Inhibited 1: Enabled
bit8-	PZD25+26 input	0: Inhibited 1: Enabled
bit9-	PZD26+27 input	0: Inhibited 1: Enabled
bit10-	PZD27+28 input	0: Inhibited 1: Enabled
bit11-	PZD28+29 input	0: Inhibited 1: Enabled
bit12-	PZD29+30 input	0: Inhibited 1: Enabled
bit13-	PZD30+31 input	0: Inhibited 1: Enabled
bit14-	PZD31+32 input	0: Inhibited 1: Enabled
bit15-	Reserved	0: Inhibited 1: Enabled

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-48	High/Low byte selection of	7648	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

	expansion PZD double word input of adapter A									

Value:

Bit	Name	Value
bit0-	PZD17+18 input	0: PZD17 low word, PZD18 high word 1: PZD17 high word, PZD18 low word
bit1-	PZD18+19 input	0: PZD18 low word, PZD19 high word 1: PZD18 high word, PZD19 low word
bit2-	PZD19+20 input	0: PZD19 low word, PZD20 high word 1: PZD19 high word, PZD20 low word
bit3-	PZD20+21 input	0: PZD20 low word, PZD21 high word 1: PZD20 high word, PZD21 low word
bit4-	PZD21+22 input	0: PZD21 low word, PZD22 high word 1: PZD21 high word, PZD22 low word
bit5-	PZD22+23 input	0: PZD22 low word, PZD23 high word 1: PZD22 high word, PZD23 low word
bit6-	PZD23+24 input	0: PZD23 low word, PZD24 high word 1: PZD23 high word, PZD24 low word
bit7-	PZD24+25 input	0: PZD24 low word, PZD25 high word 1: PZD24 high word, PZD25 low word

bit8-	PZD25+26 input	0: PZD25 low word, PZD26 high word 1: PZD25 high word, PZD26 low word
bit9-	PZD26+27 input	0: PZD26 low word, PZD27 high word 1: PZD26 high word, PZD27 low word
bit10-	PZD27 + 28 input	0: PZD27 low word, PZD28 high word 1: PZD27 high word, PZD28 low word
bit11-	PZD28+29 input	0: PZD28 low word, PZD29 high word 1: PZD28 high word, PZD29 low word
bit12-	PZD29+30 input	0: PZD29 low word, PZD30 high word 1: PZD29 high word, PZD30 low word
bit13-	PZD30+31 input	0: PZD30 low word, PZD31 high word 1: PZD30 high word, PZD31 low word
bit14-	PZD31 + 32 input	0: PZD31 low word, PZD32 high word 1: PZD31 high word, PZD32 low word
bit15-	Reserved	0: Disable 1: Enable

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-49	Communication base value of PZD17+18	7649	-	-	0	UInt32	1	In real time	General user	In real time

	data input									
n53-50	Communication base value of PZD18+19 data input	7651	-	-	0	UInt32	1	In real time	General user	In real time
n53-51	Communication base value of PZD19+20 data input	7653	-	-	0	UInt32	1	In real time	General user	In real time
n53-52	Communication base value of PZD20+21 data input	7655	-	-	0	UInt32	1	In real time	General user	In real time
n53-53	Communication base value of PZD21+22 data input	7657	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-54	Communication base value of PZD22+23 data	7659	-	-	0	UInt32	1	In real time	General user	In real time

	input									
n53-55	Communication base value of PZD23+24 data input	7661	-	-	0	UInt32	1	In real time	General user	In real time
n53-56	Communication base value of PZD24+25 data input	7663	-	-	0	UInt32	1	In real time	General user	In real time
n53-57	Communication base value of PZD25+26 data input	7665	-	-	0	UInt32	1	In real time	General user	In real time
n53-58	Communication base value of PZD26+27 data input	7667	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-59	Communication base value of PZD27+28 data input	7669	-	-	0	UInt32	1	In real time	General user	In real time

n53-60	Communication base value of PZD28+29 data input	7671	-	-	0	UInt32	1	In real time	General user	In real time
n53-61	Communication base value of PZD29+30 data input	7673	-	-	0	UInt32	1	In real time	General user	In real time
n53-62	Communication base value of PZD30+31 data input	7675	-	-	0	UInt32	1	In real time	General user	In real time
n53-63	Communication base value of PZD31+32 data input	7677	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-64	Original data input of PZD17+18 of adapter A	37166	-	-	-	Int32	1	N/A	General user	In real time
n53-65	Original data	37168	-	-	-	Int32	1	N/A	General user	In real time

	input of PZD18+19 of adapter A									
n53-66	Original data input of PZD19+20 of adapter A	37170	-	-	-	Int32	1	N/A	General user	In real time
n53-67	Original data input of PZD20+21 of adapter A	37172	-	-	-	Int32	1	N/A	General user	In real time
n53-68	Original data input of PZD21+22 of adapter A	37174	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-69	Original data input of PZD22+23 of adapter A	37176	-	-	-	Int32	1	N/A	General user	In real time
n53-70	Original data input of PZD23+24 of adapter A	37178	-	-	-	Int32	1	N/A	General user	In real time
n53-71	Original data	37180	-	-	-	Int32	1	N/A	General	In real

	input of PZD24+25 of adapter A								user	time
n53-72	Original data input of PZD25+26 of adapter A	37182	-	-	-	Int32	1	N/A	General user	In real time
n53-73	Original data input of PZD26+27 of adapter A	37184	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-74	Original data input of PZD27+28 of adapter A	37186	-	-	-	Int32	1	N/A	General user	In real time
n53-75	Original data input of PZD28+29 of adapter A	37188	-	-	-	Int32	1	N/A	General user	In real time
n53-76	Original data input of PZD29+30 of adapter A	37190	-	-	-	Int32	1	N/A	General user	In real time
n53-77	Original data	37192	-	-	-	Int32	1	N/A	General	In real

	input of PZD30+31 of adapter A								user	time
n53-78	Original data input of PZD31+32 of adapter A	37194	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-79	PZD17+18 data input (after base value conversion) of adapter A	37196	-	-	-	Int32	1	N/A	General user	In real time
n53-80	PZD18+19 input data (after base value conversion) of adapter A	37198	-	-	-	Int32	1	N/A	General user	In real time
n53-81	PZD19+20 input data (after base value conversion) of adapter A	37200	-	-	-	Int32	1	N/A	General user	In real time

n53-82	PZD20+21 input data (after base value conversion) of adapter A	37202	-	-	-	Int32	1	N/A	General user	In real time
n53-83	PZD21+22 input data (after base value conversion) of adapter A	37204	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-84	PZD22+23 input data (after base value conversion) of adapter A	37206	-	-	-	Int32	1	N/A	General user	In real time
n53-85	PZD23+24 input data (after base value conversion) of adapter A	37208	-	-	-	Int32	1	N/A	General user	In real time
n53-86	PZD24+25	37210	-	-	-	Int32	1	N/A	General	In real

	input data (after base value conversion) of adapter A								user	time
n53-87	PZD25+26 input data (after base value conversion) of adapter A	37212	-	-	-	Int32	1	N/A	General user	In real time
n53-88	PZD26+27 input data (after base value conversion) of adapter A	37214	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n53-89	PZD27+28 input data (after base value conversion) of adapter A	37216	-	-	-	Int32	1	N/A	General user	In real time
n53-90	PZD28+29 input	37218	-	-	-	Int32	1	N/A	General user	In real time

	data (after base value conversion) of adapter A									
n53-91	PZD29+30 input data (after base value conversion) of adapter A	37220	-	-	-	Int32	1	N/A	General user	In real time
n53-92	PZD30+31 input data (after base value conversion) of adapter A	37222	-	-	-	Int32	1	N/A	General user	In real time
n53-93	PZD31+32 input data (after base value conversion) of adapter A	37224	-	-	-	Int32	1	N/A	General user	In real time

n54 Double word output of process data of fieldbus adapter A

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n54-00	PZD double word output of adapter A	7084	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0-	PZD1+2 output	0: Inhibited 1: Enabled
bit1-	PZD2+3 output	0: Inhibited 1: Enabled
bit2-	PZD3+4 output	0: Inhibited 1: Enabled
bit3-	PZD4+5 output	0: Inhibited 1: Enabled
bit4-	PZD5+6 output	0: Inhibited 1: Enabled
bit5-	PZD6+7 output	0: Inhibited 1: Enabled
bit6-	PZD7+8 output	0: Inhibited 1: Enabled
bit7-	PZD8+9 output	0: Inhibited 1: Enabled
bit8-	PZD9+10 output	0: Inhibited 1: Enabled
bit9-	PZD10+11 output	0: Inhibited 1: Enabled
bit10-	PZD11+12 output	0: Inhibited 1: Enabled
bit11-	PZD12+13 output	0: Inhibited 1: Enabled
bit12-	PZD13+14 output	0: Inhibited 1: Enabled
bit13-	PZD14+15 output	0: Inhibited 1: Enabled
bit14-	PZD15+16 output	0: Inhibited 1: Enabled

bit15-	Reserved	0: Inhibited 1: Enabled	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-01	High/Low word selection of PZD double word output of adapter A	7085	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0-	PZD1+2 output	0: PZD1 low word, PZD2 high word 1: PZD1 high word, PZD2 low word
bit1-	PZD2+3 output	0: PZD2 low word, PZD3 high word 1: PZD2 high word, PZD3 low word
bit2-	PZD3+4 output	0: PZD3 low word, PZD4 high word 1: PZD3 high word, PZD4 low word
bit3-	PZD4+5 output	0: PZD4 low word, PZD5 high word 1: PZD4 high word, PZD5 low word
bit4-	PZD5+6 output	0: PZD5 low word, PZD6 high word 1: PZD5 high word, PZD6 low word

bit5-	PZD6+7 output	0: PZD6 low word, PZD7 high word 1: PZD6 high word, PZD7 low word
bit6-	PZD7+8 output	0: PZD7 low word, PZD8 high word 1: PZD7 high word, PZD8 low word
bit7-	PZD8+9 output	0: PZD8 low word, PZD9 high word 1: PZD8 high word, PZD9 low word
bit8-	PZD9+10 output	0: PZD9 low word, PZD10 high word 1: PZD9 high word, PZD10 low word
bit9-	PZD10+11 output	0: PZD10 low word, PZD11 high word 1: PZD10 high word, PZD11 low word
bit10-	PZD11+12 output	0: PZD11 low word, PZD12 high word 1: PZD11 high word, PZD12 low word
bit11-	PZD12+13 output	0: PZD12 low word, PZD13 high word 1: PZD12 high word, PZD13 low word
bit12-	PZD13+14 output	0: PZD13 low word, PZD14 high word 1: PZD13 high word, PZD14 low word
bit13-	PZD14+15 output	0: PZD14 low word, PZD15 high word 1: PZD14 high word, PZD15 low word
bit14-	PZD15+16 output	0: PZD15 low word, PZD16 high word 1: PZD15 high word, PZD16 low word

bit15-	Reserved	0: Inhibited 1: Enabled	

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-02	PZD1+2 output source	7086	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value：
0： 0
Others： K connector

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-03	PZD2+3 output source	7087	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value：
0： 0
Others： K connector

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-04	PZD3+4 output source	7088	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value：
0： 0
Others： K connector

	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-05	PZD4+5 output source	7089	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-06	PZD5+6 output source	7090	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-07	PZD6+7 output source	7091	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-08	PZD7+8 output source	7092	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-09	PZD8+9 output source	7093	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-10	PZD9+10 output source	7094	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n54-11	PZD10+11 output source	7095	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-12	PZD11+12 output source	7096	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-13	PZD12+13 output source	7097	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n54-14	PZD13+14 output source	7098	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-15	PZD14+15 output source	7099	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-16	PZD15+16 output source	7100	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-17	Communication	7101	-	-	0	UInt32	1	In real time	General user	In real time

	base value of PZD1+2 output									
n54-18	Communication base value of PZD2+3 output	7103	-	-	0	UInt32	1	In real time	General user	In real time
n54-19	Communication base value of PZD3+4 output	7105	-	-	0	UInt32	1	In real time	General user	In real time
n54-20	Communication base value of PZD4+5 output	7107	-	-	0	UInt32	1	In real time	General user	In real time
n54-21	Communication base value of PZD5+6 output	7109	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-22	Communication base value of PZD6+7 output	7111	-	-	0	UInt32	1	In real time	General user	In real time
n54-23	Communication	7113	-	-	0	UInt32	1	In real	General	In real

	base value of PZD7+8 output							time	user	time
n54-24	Communication base value of PZD8+9 output	7115	-	-	0	UInt32	1	In real time	General user	In real time
n54-25	Communication base value of PZD9+10 output	7117	-	-	0	UInt32	1	In real time	General user	In real time
n54-26	Communication base value of PZD10+11 output	7119	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-27	Communication base value of PZD11+12 output	7121	-	-	0	UInt32	1	In real time	General user	In real time
n54-28	Communication base value of PZD12+13 output	7123	-	-	0	UInt32	1	In real time	General user	In real time
n54-29	Communication	7125	-	-	0	UInt32	1	In real	General	In real

	base value of PZD13+14 output							time	user	time
n54-30	Communication base value of PZD14+15 output	7127	-	-	0	UInt32	1	In real time	General user	In real time
n54-31	Communication base value of PZD15+16 output	7129	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-32	PZD1+2 output data (after base value conversion) of adapter A	36537	-	-	-	Int32	1	N/A	General user	In real time
n54-33	PZD2+3 output data (after base value conversion) of adapter A	36539	-	-	-	Int32	1	N/A	General user	In real time
n54-34	PZD3+4 output	36541	-	-	-	Int32	1	N/A	General user	In real time

	data (after base value conversion) of adapter A									
n54-35	PZD4+5 output data (after base value conversion) of adapter A	36543	-	-	-	Int32	1	N/A	General user	In real time
n54-36	PZD5+6 output data (after base value conversion) of adapter A	36545	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-37	PZD6+7 output data (after base value conversion) of adapter A	36547	-	-	-	Int32	1	N/A	General user	In real time
n54-38	PZD7+8 output data	36549	-	-	-	Int32	1	N/A	General user	In real time

	(after base value conversion) of adapter A									
n54-39	PZD8+9 output data (after base value conversion) of adapter A	36551	-	-	-	Int32	1	N/A	General user	In real time
n54-40	PZD9+10 output data (after base value conversion) of adapter A	36553	-	-	-	Int32	1	N/A	General user	In real time
n54-41	PZD10+11 output data (after base value conversion) of adapter A	36555	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-42	PZD11+12 output data (after	36557	-	-	-	Int32	1	N/A	General user	In real time

	base value conversion) of adapter A									
n54-43	PZD12+13 output data (after base value conversion) of adapter A	36559	-	-	-	Int32	1	N/A	General user	In real time
n54-44	PZD13+14 output data (after base value conversion) of adapter A	36561	-	-	-	Int32	1	N/A	General user	In real time
n54-45	PZD14+15 output data (after base value conversion) of adapter A	36563	-	-	-	Int32	1	N/A	General user	In real time
n54-46	PZD15+16 output data (after base value conversion) of	36565	-	-	-	Int32	1	N/A	General user	In real time

	adapter A									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-47	Expansion PZD double word output of adapter A	7679	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0-	PZD17+18 output	0: Inhibited 1: Enabled
bit1-	PZD18+19 output	0: Inhibited 1: Enabled
bit2-	PZD19+20 output	0: Inhibited 1: Enabled
bit3-	PZD20+21 output	0: Inhibited 1: Enabled
bit4-	PZD21+22 output	0: Inhibited 1: Enabled
bit5-	PZD22+23 output	0: Inhibited 1: Enabled
bit6-	PZD23+24 output	0: Inhibited 1: Enabled
bit7-	PZD24+25 output	0: Inhibited 1: Enabled
bit8-	PZD25+26 output	0: Inhibited 1: Enabled
bit9-	PZD26+27 output	0: Inhibited 1: Enabled
bit10-	PZD27+28 output	0: Inhibited 1: Enabled
bit11-	PZD28+29 output	0: Inhibited 1: Enabled
bit12-	PZD29+30 output	0: Inhibited 1: Enabled

bit13-	PZD30+31 output	0: Inhibited 1: Enabled
bit14-	PZD31+32 output	0: Inhibited 1: Enabled
bit15-	Reserved	0: Inhibited 1: Enabled

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-48	Selection of high/low byte of expansion PZD double word of adapter A	7680	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0-	PZD17+18 output	0: PZD17 low word, PZD18 high word 1: PZD17 high word, PZD18 low word
bit1-	PZD18+19 output	0: PZD18 low word, PZD19 high word 1: PZD18 high word, PZD19 low word
bit2-	PZD19+20 output	0: PZD19 low word, PZD20 high word 1: PZD19 high word, PZD20 low word
bit3-	PZD20+21 output	0: PZD20 low word, PZD21 high word 1: PZD20 high word, PZD21 low word

bit4-	PZD21+22 output	0: PZD21 low word, PZD22 high word 1: PZD21 high word, PZD22 low word	
bit5-	PZD22+23 output	0: PZD22 low word, PZD23 high word 1: PZD22 high word, PZD23 low word	
bit6-	PZD23+24 output	0: PZD23 low word, PZD24 high word 1: PZD23 high word, PZD24 low word	
bit7-	PZD24+25 output	0: PZD24 low word, PZD25 high word 1: PZD24 high word, PZD25 low word	
bit8-	PZD25+26 output	0: PZD25 low word, PZD26 high word 1: PZD25 high word, PZD26 low word	
bit9-	PZD26+27 output	0: PZD26 low word, PZD27 high word 1: PZD26 high word, PZD27 low word	
bit10-	PZD27+28 output	0: PZD27 low word, PZD28 high word 1: PZD27 high word, PZD28 low word	
bit11-	PZD28+29 output	0: PZD28 low word, PZD29 high word 1: PZD28 high word, PZD29 low word	
bit12-	PZD29+30 output	0: PZD29 low word, PZD30 high word 1: PZD29 high word, PZD30 low word	
bit13-	PZD30+31 output	0: PZD30 low word, PZD31 high word 1: PZD30 high word, PZD31 low word	

bit14-	PZD31+32 output	0: PZD31 low word, PZD32 high word 1: PZD31 high word, PZD32 low word	
bit15-	Reserved	0: Inhibited 1: Enabled	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-49	PZD17+18 output source	7681	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:
0: 0
Others: K connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-50	PZD18+19 output source	7682	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:
0: 0
Others: K connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-51	PZD19+20 output source	7683	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value： 0：0 Others：K connector
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-52	PZD20+21 output source	7684	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-53	PZD21+22 output source	7685	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-54	PZD22+23 output source	7686	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0									

	Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-55	PZD23+24 output source	7687	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-56	PZD24+25 output source	7688	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-57	PZD25+26 output source	7689	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									

	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-58	PZD26+27 output source	7690	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-59	PZD27+28 output source	7691	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-60	PZD28+29 output source	7692	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-61	PZD29+30 output source	7693	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-62	PZD30+31 output source	7694	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-63	PZD31+32 output source	7695	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n54-64	Communication base value of PZD17+18 output	7696	-	-	0	UInt32	1	In real time	General user	In real time
n54-65	Communication base value of PZD18+19 output	7698	-	-	0	UInt32	1	In real time	General user	In real time
n54-66	Communication base value of PZD19+20 output	7700	-	-	0	UInt32	1	In real time	General user	In real time
n54-67	Communication base value of PZD20+21 output	7702	-	-	0	UInt32	1	In real time	General user	In real time
n54-68	Communication base value of PZD21+22 output	7704	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-69	Communication base value of PZD22+23	7706	-	-	0	UInt32	1	In real time	General user	In real time

	output									
n54-70	Communication base value of PZD23+24 output	7708	-	-	0	UInt32	1	In real time	General user	In real time
n54-71	Communication base value of PZD24+25 output	7710	-	-	0	UInt32	1	In real time	General user	In real time
n54-72	Communication base value of PZD25+26 output	7712	-	-	0	UInt32	1	In real time	General user	In real time
n54-73	Communication base value of PZD26+27 output	7714	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-74	Communication base value of PZD27+28 output	7716	-	-	0	UInt32	1	In real time	General user	In real time
n54-75	Communication base value of PZD28+29	7718	-	-	0	UInt32	1	In real time	General user	In real time

	output									
n54-76	Communication base value of PZD29+30 output	7720	-	-	0	UInt32	1	In real time	General user	In real time
n54-77	Communication base value of PZD30+31 output	7722	-	-	0	UInt32	1	In real time	General user	In real time
n54-78	Communication base value of PZD31+32 output	7724	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-79	PZD17+PZD18 output data (after base value conversion) of adapter A	37226	-	-	-	Int32	1	N/A	General user	In real time
n54-80	PZD18+PZD19 output data (after base value	37228	-	-	-	Int32	1	N/A	General user	In real time

	conversion) of adapter A									
n54-81	PZD19+PZD20 output data (after base value conversion) of adapter A	37230	-	-	-	Int32	1	N/A	General user	In real time
n54-82	PZD20+PZD21 output data (after base value conversion) of adapter A	37232	-	-	-	Int32	1	N/A	General user	In real time
n54-83	PZD21+PZD22 output data (after base value conversion) of adapter A	37234	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-84	PZD22+PZD23 output data	37236	-	-	-	Int32	1	N/A	General user	In real time

	(after base value conversion) of adapter A									
n54-85	PZD23+PZD24 output data (after base value conversion) of adapter A	37238	-	-	-	Int32	1	N/A	General user	In real time
n54-86	PZD24+PZD25 output data (after base value conversion) of adapter A	37240	-	-	-	Int32	1	N/A	General user	In real time
n54-87	PZD25+PZD26 output data (after base value conversion) of adapter A	37242	-	-	-	Int32	1	N/A	General user	In real time
n54-88	PZD26+PZD27 output data	37244	-	-	-	Int32	1	N/A	General user	In real time

	(after base value conversion) of adapter A									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n54-89	PZD27+PZD28 output data (after base value conversion) of adapter A	37246	-	-	-	Int32	1	N/A	General user	In real time
n54-90	PZD28+PZD29 output data (after base value conversion) of adapter A	37248	-	-	-	Int32	1	N/A	General user	In real time
n54-91	PZD29+PZD30 output data (after base value conversion) of adapter A	37250	-	-	-	Int32	1	N/A	General user	In real time
n54-92	PZD30+PZ	37252	-	-	-	Int32	1	N/A	General	In real

	D31 output data (after base value conversion) of adapter A								user	time
n54-93	PZD31+PZD32 output data (after base value conversion) of adapter A	37254	-	-	-	Int32	1	N/A	General user	In real time

n55 Double word input of process data of fieldbus adapter B

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-00	PZD double word input of adapter B	7131	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value：

Bit	Name	Value
bit0-	PZD1+2 input	0: Inhibited 1: Enabled
bit1-	PZD2+3 input	0: Inhibited 1: Enabled
bit2-	PZD3+4 input	0: Inhibited 1: Enabled

bit3-	PZD4+5 input	0: Inhibited 1: Enabled
bit4-	PZD5+6 input	0: Inhibited 1: Enabled
bit5-	PZD6+7 input	0: Inhibited 1: Enabled
bit6-	PZD7+8 input	0: Inhibited 1: Enabled
bit7-	PZD8+9 input	0: Inhibited 1: Enabled
bit8-	PZD9+10 input	0: Inhibited 1: Enabled
bit9-	PZD10+11 input	0: Inhibited 1: Enabled
bit10-	PZD11+12 input	0: Inhibited 1: Enabled
bit11-	PZD12+13 input	0: Inhibited 1: Enabled
bit12-	PZD13+14 input	0: Inhibited 1: Enabled
bit13-	PZD14+15 input	0: Inhibited 1: Enabled
bit14-	PZD15+16 input	0: Inhibited 1: Enabled
bit15-	Reserved	0: Inhibited 1: Enabled

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-01	Selection of high/low word of PZD double word input of	7132	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

adapter B										

Value:

Bit	Name	Value
bit0-	PZD1+2 input	0: PZD1 low word, PZD2 high word 1: PZD1 high word, PZD2 low word
bit1-	PZD2+3 input	0: PZD2 low word, PZD3 high word 1: PZD2 high word, PZD3 low word
bit2-	PZD3+4 input	0: PZD3 low word, PZD4 high word 1: PZD3 high word, PZD4 low word
bit3-	PZD4+5 input	0: PZD4 low word, PZD5 high word 1: PZD4 high word, PZD5 low word
bit4-	PZD5+6 input	0: PZD5 low word, PZD6 high word 1: PZD5 high word, PZD6 low word
bit5-	PZD6+7 input	0: PZD6 low word, PZD7 high word 1: PZD6 high word, PZD7 low word
bit6-	PZD7+8 input	0: PZD7 low word, PZD8 high word 1: PZD7 high word, PZD8 low word
bit7-	PZD8+9 input	0: PZD8 low word, PZD9 high word 1: PZD8 high word, PZD9 low word
bit8-	PZD9+10 input	0: PZD9 low word, PZD10 high word 1: PZD9 high word, PZD10 low word

bit9-	PZD10+11 input	0: PZD10 low word, PZD11 high word 1: PZD10 high word, PZD11 low word
bit10-	PZD11+12 input	0: PZD11 low word, PZD12 high word 1: PZD11 high word, PZD12 low word
bit11-	PZD12+13 input	0: PZD12 low word, PZD13 high word 1: PZD12 high word, PZD13 low word
bit12-	PZD13+14 input	0: PZD13 low word, PZD14 high word 1: PZD13 high word, PZD14 low word
bit13-	PZD14+15 input	0: PZD14 low word, PZD15 high word 1: PZD14 high word, PZD15 low word
bit14-	PZD15+16 input	0: PZD15 low word, PZD16 high word 1: PZD15 high word, PZD16 low word
bit15-	Reserved	0: Inhibited 1: Enabled

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-02	Communication base value of PZD1+2 data input	7133	-	-	0	UInt32	1	In real time	General user	In real time
n55-03	Communi	7135	-	-	0	UInt32	1	In real	General	In real

	cation base value of PZD2+3 data input							time	user	time
n55-04	Communication base value of PZD3+4 data input	7137	-	-	0	UInt32	1	In real time	General user	In real time
n55-05	Communication base value of PZD4+5 data input	7139	-	-	0	UInt32	1	In real time	General user	In real time
n55-06	Communication base value of PZD5+6 data input	7141	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-07	Communication base value of PZD6+7 data input	7143	-	-	0	UInt32	1	In real time	General user	In real time
n55-08	Communication	7145	-	-	0	UInt32	1	In real time	General user	In real time

	base value of PZD7+8 data input									
n55-09	Communication base value of PZD8+9 data input	7147	-	-	0	UInt32	1	In real time	General user	In real time
n55-10	Communication base value of PZD9+10 data input	7149	-	-	0	UInt32	1	In real time	General user	In real time
n55-11	Communication base value of PZD10+11 data input	7151	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-12	Communication base value of PZD11+12 data input	7153	-	-	0	UInt32	1	In real time	General user	In real time
n55-13	Communication base	7155	-	-	0	UInt32	1	In real time	General user	In real time

	value of PZD12+13 data input									
n55-14	Communication base value of PZD13+14 data input	7157	-	-	0	UInt32	1	In real time	General user	In real time
n55-15	Communication base value of PZD14+15 data input	7159	-	-	0	UInt32	1	In real time	General user	In real time
n55-16	Communication base value of PZD15+16 data input	7161	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-17	Original input data of PZD1+2 of adapter B	36567	-	-	-	Int32	1	N/A	General user	In real time
n55-18	Original input data of PZD2+3 of adapter B	36569	-	-	-	Int32	1	N/A	General user	In real time

n55-19	Original input data of PZD3+4 of adapter B	36571	-	-	-	Int32	1	N/A	General user	In real time
n55-20	Original input data of PZD4+5 of adapter B	36573	-	-	-	Int32	1	N/A	General user	In real time
n55-21	Original input data of PZD5+6 of adapter B	36575	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-22	Original input data of PZD6+7 of adapter B	36577	-	-	-	Int32	1	N/A	General user	In real time
n55-23	Original input data of PZD7+8 of adapter B	36579	-	-	-	Int32	1	N/A	General user	In real time
n55-24	Original input data of PZD8+9 of adapter B	36581	-	-	-	Int32	1	N/A	General user	In real time
n55-25	Original input data of PZD9+10 of	36583	-	-	-	Int32	1	N/A	General user	In real time

	adapter B									
n55-26	Original input data of PZD10+11 of adapter B	36585	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-27	Original input data of PZD11+12 of adapter B	36587	-	-	-	Int32	1	N/A	General user	In real time
n55-28	Original input data of PZD12+13 of adapter B	36589	-	-	-	Int32	1	N/A	General user	In real time
n55-29	Original input data of PZD13+14 of adapter B	36591	-	-	-	Int32	1	N/A	General user	In real time
n55-30	Original input data of PZD14+15 of adapter B	36593	-	-	-	Int32	1	N/A	General user	In real time
n55-31	Original input data of PZD15+16 of	36595	-	-	-	Int32	1	N/A	General user	In real time

	adapter B									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-32	PZD1+2 data input (after base value conversion) of adapter B	37412	-	-	-	Int32	1	N/A	General user	In real time
n55-33	PZD2+3 data input (after base value conversion) of adapter B	37414	-	-	-	Int32	1	N/A	General user	In real time
n55-34	PZD3+4 data input (after base value conversion) of adapter B	37416	-	-	-	Int32	1	N/A	General user	In real time
n55-35	PZD4+5 data input (after base value conversion) of adapter B	37418	-	-	-	Int32	1	N/A	General user	In real time

n55-36	PZD5+6 data input (after base value conversion) of adapter B	37420	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-37	PZD6+7 data input (after base value conversion) of adapter B	37422	-	-	-	Int32	1	N/A	General user	In real time
n55-38	PZD7+8 data input (after base value conversion) of adapter B	37424	-	-	-	Int32	1	N/A	General user	In real time
n55-39	PZD8+9 data input (after base value conversion) of adapter B	37426	-	-	-	Int32	1	N/A	General user	In real time
n55-40	PZD9+10	37428	-	-	-	Int32	1	N/A	General	In real

	data input (after base value conversion) of adapter B								user	time
n55-41	PZD10+11 data input (after base value conversion) of adapter B	37430	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-42	PZD11+12 data input (after base value conversion) of adapter B	37432	-	-	-	Int32	1	N/A	General user	In real time
n55-43	PZD12+13 data input (after base value conversion) of adapter B	37434	-	-	-	Int32	1	N/A	General user	In real time
n55-44	PZD13+14 data	37436	-	-	-	Int32	1	N/A	General user	In real time

	input (after base value conversion) of adapter B									
n55-45	PZD14+15 data input (after base value conversion) of adapter B	37438	-	-	-	Int32	1	N/A	General user	In real time
n55-46	PZD15+16 data input (after base value conversion) of adapter B	37440	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-47	Expansion PZD double word input of adapter B	7726	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0-	PZD17+18 input	0: Inhibited 1: Enabled

bit1-	PZD18+19 input	0: Inhibited 1: Enabled
bit2-	PZD19+20 input	0: Inhibited 1: Enabled
bit3-	PZD20+21 input	0: Inhibited 1: Enabled
bit4-	PZD21+22 input	0: Inhibited 1: Enabled
bit5-	PZD22+23 input	0: Inhibited 1: Enabled
bit6-	PZD23+24 input	0: Inhibited 1: Enabled
bit7-	PZD24+25 input	0: Inhibited 1: Enabled
bit8-	PZD25+26 input	0: Inhibited 1: Enabled
bit9-	PZD26+27 input	0: Inhibited 1: Enabled
bit10-	PZD27+28 input	0: Inhibited 1: Enabled
bit11-	PZD28+29 input	0: Inhibited 1: Enabled
bit12-	PZD29+30 input	0: Inhibited 1: Enabled
bit13-	PZD30+31 input	0: Inhibited 1: Enabled
bit14-	PZD31+32 input	0: Inhibited 1: Enabled
bit15-	Reserved	0: Inhibited 1: Enabled

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-48	Selection of high/low word of	7727	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

	expansion PZD double word input of adapter B									

Value:

Bit	Name	Value
bit0-	PZD17+18 input	0: PZD17 low word, PZD18 high word 1: PZD17 high word, PZD18 low word
bit1-	PZD18+19 input	0: PZD18 low word, PZD19 high word 1: PZD18 high word, PZD19 low word
bit2-	PZD19+20 input	0: PZD19 low word, PZD20 high word 1: PZD19 high word, PZD20 low word
bit3-	PZD20+21 input	0: PZD20 low word, PZD21 high word 1: PZD20 high word, PZD21 low word
bit4-	PZD21+22 input	0: PZD21 low word, PZD22 high word 1: PZD21 high word, PZD22 low word
bit5-	PZD22+23 input	0: PZD22 low word, PZD23 high word 1: PZD22 high word, PZD23 low word
bit6-	PZD23+24 input	0: PZD23 low word, PZD24 high word 1: PZD23 high word, PZD24 low word
bit7-	PZD24+25 input	0: PZD24 low word, PZD25 high word 1: PZD24 high word, PZD25 low word

bit8-	PZD25+26 input	0: PZD25 low word, PZD26 high word 1: PZD25 high word, PZD26 low word
bit9-	PZD26+27 input	0: PZD26 low word, PZD27 high word 1: PZD26 high word, PZD27 low word
bit10-	PZD27 + 28 input	0: PZD27 low word, PZD28 high word 1: PZD27 high word, PZD28 low word
bit11-	PZD28+29 input	0: PZD28 low word, PZD29 high word 1: PZD28 high word, PZD29 low word
bit12-	PZD29+30 input	0: PZD29 low word, PZD30 high word 1: PZD29 high word, PZD30 low word
bit13-	PZD30+31 input	0: PZD30 low word, PZD31 high word 1: PZD30 high word, PZD31 low word
bit14-	PZD31 + 32 input	0: PZD31 low word, PZD32 high word 1: PZD31 high word, PZD32 low word
bit15-	Reserved	0: Disable 1: Enable

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-49	Communication base value of PZD17+18	7728	-	-	0	UInt32	1	In real time	General user	In real time

	data input									
n55-50	Communication base value of PZD18+19 data input	7730	-	-	0	UInt32	1	In real time	General user	In real time
n55-51	Communication base value of PZD19+20 data input	7732	-	-	0	UInt32	1	In real time	General user	In real time
n55-52	Communication base value of PZD20+21 data input	7734	-	-	0	UInt32	1	In real time	General user	In real time
n55-53	Communication base value of PZD21+22 data input	7736	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-54	Communication base value of PZD22+23 data	7738	-	-	0	UInt32	1	In real time	General user	In real time

	input									
n55-55	Communication base value of PZD23+24 data input	7740	-	-	0	UInt32	1	In real time	General user	In real time
n55-56	Communication base value of PZD24+25 data input	7742	-	-	0	UInt32	1	In real time	General user	In real time
n55-57	Communication base value of PZD25+26 data input	7744	-	-	0	UInt32	1	In real time	General user	In real time
n55-58	Communication base value of PZD26+27 data input	7746	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-59	Communication base value of PZD27+28 data input	7748	-	-	0	UInt32	1	In real time	General user	In real time

n55-60	Communication base value of PZD28+29 data input	7750	-	-	0	UInt32	1	In real time	General user	In real time
n55-61	Communication base value of PZD29+30 data input	7752	-	-	0	UInt32	1	In real time	General user	In real time
n55-62	Communication base value of PZD30+31 data input	7754	-	-	0	UInt32	1	In real time	General user	In real time
n55-63	Communication base value of PZD31+32 data input	7756	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-64	Original data input of PZD17+18 of adapter B	37256	-	-	-	Int32	1	N/A	General user	In real time
n55-65	Original data	37258	-	-	-	Int32	1	N/A	General user	In real time

	input of PZD18+19 of adapter B									
n55-66	Original data input of PZD19+20 of adapter B	37260	-	-	-	Int32	1	N/A	General user	In real time
n55-67	Original data input of PZD20+21 of adapter B	37262	-	-	-	Int32	1	N/A	General user	In real time
n55-68	Original data input of PZD21+22 of adapter B	37264	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-69	Original data input of PZD22+23 of adapter B	37266	-	-	-	Int32	1	N/A	General user	In real time
n55-70	Original data input of PZD23+24 of adapter B	37268	-	-	-	Int32	1	N/A	General user	In real time
n55-71	Original data	37270	-	-	-	Int32	1	N/A	General	In real

	input of PZD24+25 of adapter B								user	time
n55-72	Original data input of PZD25+26 of adapter B	37272	-	-	-	Int32	1	N/A	General user	In real time
n55-73	Original data input of PZD26+27 of adapter B	37274	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-74	Original data input of PZD27+28 of adapter B	37276	-	-	-	Int32	1	N/A	General user	In real time
n55-75	Original data input of PZD28+29 of adapter B	37278	-	-	-	Int32	1	N/A	General user	In real time
n55-76	Original data input of PZD29+30 of adapter B	37280	-	-	-	Int32	1	N/A	General user	In real time
n55-77	Original data	37282	-	-	-	Int32	1	N/A	General	In real

	input of PZD30+31 of adapter B								user	time
n55-78	Original data input of PZD31+32 of adapter B	37284	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-79	PZD17+18 data input (after base value conversion) of adapter B	37286	-	-	-	Int32	1	N/A	General user	In real time
n55-80	PZD18+19 data input (after base value conversion) of adapter B	37288	-	-	-	Int32	1	N/A	General user	In real time
n55-81	PZD19+20 data input (after base value conversion) of adapter B	37290	-	-	-	Int32	1	N/A	General user	In real time

n55-82	PZD20+21 data input (after base value conversion) of adapter B	37292	-	-	-	Int32	1	N/A	General user	In real time
n55-83	PZD21+22 data input (after base value conversion) of adapter B	37294	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-84	PZD22+23 data input (after base value conversion) of adapter B	37296	-	-	-	Int32	1	N/A	General user	In real time
n55-85	PZD23+24 data input (after base value conversion) of adapter B	37298	-	-	-	Int32	1	N/A	General user	In real time
n55-86	PZD24+25	37300	-	-	-	Int32	1	N/A	General	In real

	input data (after base value conversion) of adapter B								user	time
n55-87	PZD25+26 data input (after base value conversion) of adapter B	37302	-	-	-	Int32	1	N/A	General user	In real time
n55-88	PZD26+27 data input (after base value conversion) of adapter B	37304	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n55-89	PZD27+28 data input (after base value conversion) of adapter B	37306	-	-	-	Int32	1	N/A	General user	In real time
n55-90	PZD28+29 data	37308	-	-	-	Int32	1	N/A	General user	In real time

	input (after base value conversion) of adapter A									
n55-91	PZD29+30 data input (after base value conversion) of adapter B	37310	-	-	-	Int32	1	N/A	General user	In real time
n55-92	PZD30+31 data input (after base value conversion) of adapter B	37312	-	-	-	Int32	1	N/A	General user	In real time
n55-93	PZD31+32 data input (after base value conversion) of adapter B	37314	-	-	-	Int32	1	N/A	General user	In real time

n56 Double word output of process data of fieldbus adapter B

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n56-00	PZD double word output of adapter B	7163	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0-	PZD1+2 output	0: Inhibited 1: Enabled
bit1-	PZD2+3 output	0: Inhibited 1: Enabled
bit2-	PZD3+4 output	0: Inhibited 1: Enabled
bit3-	PZD4+5 output	0: Inhibited 1: Enabled
bit4-	PZD5+6 output	0: Inhibited 1: Enabled
bit5-	PZD6+7 output	0: Inhibited 1: Enabled
bit6-	PZD7+8 output	0: Inhibited 1: Enabled
bit7-	PZD8+9 output	0: Inhibited 1: Enabled
bit8-	PZD9+10 output	0: Inhibited 1: Enabled
bit9-	PZD10+11 output	0: Inhibited 1: Enabled
bit10-	PZD11+12 output	0: Inhibited 1: Enabled
bit11-	PZD12+13 output	0: Inhibited 1: Enabled
bit12-	PZD13+14 output	0: Inhibited 1: Enabled
bit13-	PZD14+15 output	0: Inhibited 1: Enabled
bit14-	PZD15+16 output	0: Inhibited 1: Enabled

bit15-	Reserved	0: Inhibited 1: Enabled	

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-01	Selection of high/low word of PZD double word output of adapter B	7164	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value：

Bit	Name	Value
bit0-	PZD1+2 output	0: PZD1 low word, PZD2 high word 1: PZD1 high word, PZD2 low word
bit1-	PZD2+3 output	0: PZD2 low word, PZD3 high word 1: PZD2 high word, PZD3 low word
bit2-	PZD3+4 output	0: PZD3 low word, PZD4 high word 1: PZD3 high word, PZD4 low word
bit3-	PZD4+5 output	0: PZD4 low word, PZD5 high word 1: PZD4 high word, PZD5 low word
bit4-	PZD5+6 output	0: PZD5 low word, PZD6 high word 1: PZD5 high word, PZD6 low word

bit5-	PZD6+7 output	0: PZD6 low word, PZD7 high word 1: PZD6 high word, PZD7 low word
bit6-	PZD7+8 output	0: PZD7 low word, PZD8 high word 1: PZD7 high word, PZD8 low word
bit7-	PZD8+9 output	0: PZD8 low word, PZD9 high word 1: PZD8 high word, PZD9 low word
bit8-	PZD9+10 output	0: PZD9 low word, PZD10 high word 1: PZD9 high word, PZD10 low word
bit9-	PZD10+11 output	0: PZD10 low word, PZD11 high word 1: PZD10 high word, PZD11 low word
bit10-	PZD11+12 output	0: PZD11 low word, PZD12 high word 1: PZD11 high word, PZD12 low word
bit11-	PZD12+13 output	0: PZD12 low word, PZD13 high word 1: PZD12 high word, PZD13 low word
bit12-	PZD13+14 output	0: PZD13 low word, PZD14 high word 1: PZD13 high word, PZD14 low word
bit13-	PZD14+15 output	0: PZD14 low word, PZD15 high word 1: PZD14 high word, PZD15 low word
bit14-	PZD15+16 output	0: PZD15 low word, PZD16 high word 1: PZD15 high word, PZD16 low word

bit15-	Reserved	0: Inhibited 1: Enabled	

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-02	PZD1+2 output source	7165	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value：
0： 0
Others： K connector

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-03	PZD2+3 output source	7166	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value：
0： 0
Others： K connector

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-04	PZD3+4 output source	7167	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value：
0： 0
Others： K connector

	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-05	PZD4+5 output source	7168	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-06	PZD5+6 output source	7169	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-07	PZD6+7 output source	7170	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-08	PZD7+8 output source	7171	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-09	PZD8+9 output source	7172	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-10	PZD9+10 output source	7173	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n56-11	PZD10+11 output source	7174	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-12	PZD11+12 output source	7175	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-13	PZD12+13 output source	7176	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n56-14	PZD13+14 output source	7177	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-15	PZD14+15 output source	7178	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-16	PZD15+16 output source	7179	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-17	Communication	7180	-	-	0	UInt32	1	In real time	General user	In real time

	base value of PZD1+2 output									
n56-18	Communication base value of PZD2+3 output	7182	-	-	0	UInt32	1	In real time	General user	In real time
n56-19	Communication base value of PZD3+4 output	7184	-	-	0	UInt32	1	In real time	General user	In real time
n56-20	Communication base value of PZD4+5 output	7186	-	-	0	UInt32	1	In real time	General user	In real time
n56-21	Communication base value of PZD5+6 output	7188	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-22	Communication base value of PZD6+7 output	7190	-	-	0	UInt32	1	In real time	General user	In real time
n56-23	Communication	7192	-	-	0	UInt32	1	In real	General	In real

	base value of PZD7+8 output							time	user	time
n56-24	Communication base value of PZD8+9 output	7194	-	-	0	UInt32	1	In real time	General user	In real time
n56-25	Communication base value of PZD9+10 output	7196	-	-	0	UInt32	1	In real time	General user	In real time
n56-26	Communication base value of PZD10+11 output	7198	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-27	Communication base value of PZD11+12 output	7200	-	-	0	UInt32	1	In real time	General user	In real time
n56-28	Communication base value of PZD12+13 output	7202	-	-	0	UInt32	1	In real time	General user	In real time
n56-29	Communication	7204	-	-	0	UInt32	1	In real	General	In real

	base value of PZD13+14 output							time	user	time
n56-30	Communication base value of PZD14+15 output	7206	-	-	0	UInt32	1	In real time	General user	In real time
n56-31	Communication base value of PZD15+16 output	7208	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-32	PZD1+2 data output (after base value conversion) of adapter B	36657	-	-	-	Int32	1	N/A	General user	In real time
n56-33	PZD2+3 data output (after base value conversion) of adapter B	36659	-	-	-	Int32	1	N/A	General user	In real time
n56-34	PZD3+4 data	36661	-	-	-	Int32	1	N/A	General user	In real time

	output (after base value conversion) of adapter B									
n56-35	PZD4+5 data output (after base value conversion) of adapter B	36663	-	-	-	Int32	1	N/A	General user	In real time
n56-36	PZD5+6 data output (after base value conversion) of adapter B	36665	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-37	PZD6+7 data output (after base value conversion) of adapter B	36667	-	-	-	Int32	1	N/A	General user	In real time
n56-38	PZD7+8 data output	36669	-	-	-	Int32	1	N/A	General user	In real time

	(after base value conversion) of adapter B									
n56-39	PZD8+9 data output (after base value conversion) of adapter B	36671	-	-	-	Int32	1	N/A	General user	In real time
n56-40	PZD9+10 data output (after base value conversion) of adapter B	36673	-	-	-	Int32	1	N/A	General user	In real time
n56-41	PZD10+11 data output (after base value conversion) of adapter B	36675	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-42	PZD11+12 data output (after	36677	-	-	-	Int32	1	N/A	General user	In real time

	base value conversion) of adapter B									
n56-43	PZD12+13 data output (after base value conversion) of adapter B	36679	-	-	-	Int32	1	N/A	General user	In real time
n56-44	PZD13+14 data output (after base value conversion) of adapter B	36681	-	-	-	Int32	1	N/A	General user	In real time
n56-45	PZD14+15 data output (after base value conversion) of adapter B	36683	-	-	-	Int32	1	N/A	General user	In real time
n56-46	PZD15+16 data output (after base value conversion) of	36685	-	-	-	Int32	1	N/A	General user	In real time

	adapter B									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-47	Expansion PZD double word output of adapter B	7758	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0-	PZD17+18 output	0: Inhibited 1: Enabled
bit1-	PZD18+19 output	0: Inhibited 1: Enabled
bit2-	PZD19+20 output	0: Inhibited 1: Enabled
bit3-	PZD20+21 output	0: Inhibited 1: Enabled
bit4-	PZD21+22 output	0: Inhibited 1: Enabled
bit5-	PZD22+23 output	0: Inhibited 1: Enabled
bit6-	PZD23+24 output	0: Inhibited 1: Enabled
bit7-	PZD24+25 output	0: Inhibited 1: Enabled
bit8-	PZD25+26 output	0: Inhibited 1: Enabled
bit9-	PZD26+27 output	0: Inhibited 1: Enabled
bit10-	PZD27+28 output	0: Inhibited 1: Enabled
bit11-	PZD28+29 output	0: Inhibited 1: Enabled
bit12-	PZD29+30 output	0: Inhibited 1: Enabled

bit13-	PZD30+31 output	0: Inhibited 1: Enabled
bit14-	PZD31+32 output	0: Inhibited 1: Enabled
bit15-	Reserved	0: Inhibited 1: Enabled

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-48	Selection of high/low word of expansion PZD double word output of adapter B	7759	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0-	PZD17+18 output	0: PZD17 low word, PZD18 high word 1: PZD17 high word, PZD18 low word
bit1-	PZD18+19 output	0: PZD18 low word, PZD19 high word 1: PZD18 high word, PZD19 low word
bit2-	PZD19+20 output	0: PZD19 low word, PZD20 high word 1: PZD19 high word, PZD20 low word
bit3-	PZD20+21 output	0: PZD20 low word, PZD21 high word 1: PZD20 high word, PZD21 low word

bit4-	PZD21+22 output	0: PZD21 low word, PZD22 high word 1: PZD21 high word, PZD22 low word	
bit5-	PZD22+23 output	0: PZD22 low word, PZD23 high word 1: PZD22 high word, PZD23 low word	
bit6-	PZD23+24 output	0: PZD23 low word, PZD24 high word 1: PZD23 high word, PZD24 low word	
bit7-	PZD24+25 output	0: PZD24 low word, PZD25 high word 1: PZD24 high word, PZD25 low word	
bit8-	PZD25+26 output	0: PZD25 low word, PZD26 high word 1: PZD25 high word, PZD26 low word	
bit9-	PZD26+27 output	0: PZD26 low word, PZD27 high word 1: PZD26 high word, PZD27 low word	
bit10-	PZD27+28 output	0: PZD27 low word, PZD28 high word 1: PZD27 high word, PZD28 low word	
bit11-	PZD28+29 output	0: PZD28 low word, PZD29 high word 1: PZD28 high word, PZD29 low word	
bit12-	PZD29+30 output	0: PZD29 low word, PZD30 high word 1: PZD29 high word, PZD30 low word	
bit13-	PZD30+31 output	0: PZD30 low word, PZD31 high word 1: PZD30 high word, PZD31 low word	

bit14-	PZD31+32 output	0: PZD31 low word, PZD32 high word 1: PZD31 high word, PZD32 low word	
bit15-	Reserved	0: Inhibited 1: Enabled	

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-49	PZD17+18 output source	7760	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:
0: 0
Others: K connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-50	PZD18+19 output source	7761	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

Value:
0: 0
Others: K connector

Description:
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-51	PZD19+20 output source	7762	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-52	PZD20+21 output source	7763	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-53	PZD21+22 output source	7764	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-54	PZD22+23 output source	7765	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0									

	Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-55	PZD23+24 output source	7766	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-56	PZD24+25 output source	7767	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-57	PZD25+26 output source	7768	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0： 0 Others： K connector									

	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-58	PZD26+27 output source	7769	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-59	PZD27+28 output source	7770	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-60	PZD28+29 output source	7771	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-61	PZD29+30 output source	7772	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-62	PZD30+31 output source	7773	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-63	PZD31+32 output source	7774	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n56-64	Communication base value of PZD17+18 output	7775	-	-	0	UInt32	1	In real time	General user	In real time
n56-65	Communication base value of PZD18+19 output	7777	-	-	0	UInt32	1	In real time	General user	In real time
n56-66	Communication base value of PZD19+20 output	7779	-	-	0	UInt32	1	In real time	General user	In real time
n56-67	Communication base value of PZD20+21 output	7781	-	-	0	UInt32	1	In real time	General user	In real time
n56-68	Communication base value of PZD21+22 output	7783	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-69	Communication base value of PZD22+23	7785	-	-	0	UInt32	1	In real time	General user	In real time

	output									
n56-70	Communication base value of PZD23+24 output	7787	-	-	0	UInt32	1	In real time	General user	In real time
n56-71	Communication base value of PZD24+25 output	7789	-	-	0	UInt32	1	In real time	General user	In real time
n56-72	Communication base value of PZD25+26 output	7791	-	-	0	UInt32	1	In real time	General user	In real time
n56-73	Communication base value of PZD26+27 output	7793	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-74	Communication base value of PZD27+28 output	7795	-	-	0	UInt32	1	In real time	General user	In real time
n56-75	Communication base value of PZD28+29	7797	-	-	0	UInt32	1	In real time	General user	In real time

	output									
n56-76	Communication base value of PZD29+30 output	7799	-	-	0	UInt32	1	In real time	General user	In real time
n56-77	Communication base value of PZD30+31 output	7801	-	-	0	UInt32	1	In real time	General user	In real time
n56-78	Communication base value of PZD31+32 output	7803	-	-	0	UInt32	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-79	PZD17+18 data output (after base value conversion) of adapter B	37316	-	-	-	Int32	1	N/A	General user	In real time
n56-80	PZD18+19 data input (after base value conversion) of	37318	-	-	-	Int32	1	N/A	General user	In real time

	adapter B									
n56-81	PZD19+20 data input (after base value conversion) of adapter B	37320	-	-	-	Int32	1	N/A	General user	In real time
n56-82	PZD20+21 data input (after base value conversion) of adapter B	37322	-	-	-	Int32	1	N/A	General user	In real time
n56-83	PZD21+22 data input (after base value conversion) of adapter B	37324	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-84	PZD22+23 data input (after base value conversion) of adapter B	37326	-	-	-	Int32	1	N/A	General user	In real time

n56-85	PZD23+24 data input (after base value conversion) of adapter B	37328	-	-	-	Int32	1	N/A	General user	In real time
n56-86	PZD24+25 data input (after base value conversion) of adapter B	37330	-	-	-	Int32	1	N/A	General user	In real time
n56-87	PZD25+26 data input (after base value conversion) of adapter B	37332	-	-	-	Int32	1	N/A	General user	In real time
n56-88	PZD26+27 data input (after base value conversion) of adapter B	37334	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n56-89	PZD27+28	37336	-	-	-	Int32	1	N/A	General	In real

	data input (after base value conversion) of adapter B								user	time
n56-90	PZD28+29 data input (after base value conversion) of adapter B	37338	-	-	-	Int32	1	N/A	General user	In real time
n56-91	PZD29+30 data input (after base value conversion) of adapter B	37340	-	-	-	Int32	1	N/A	General user	In real time
n56-92	PZD30+31 data input (after base value conversion) of adapter B	37342	-	-	-	Int32	1	N/A	General user	In real time
n56-93	PZD31+32 data input (after base	37344	-	-	-	Int32	1	N/A	General user	In real time

	value conversion) of adapter B									

n57 Expansion process data of fieldbus adapter A

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-00	Expansion process data of fieldbus adapter A	7805	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Inhibited 1: Enabled									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-01	Display of expansion process data of fieldbus adapter A	37494	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-05	Process data output 17	7312	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value:									

	0：0 Others： K connector
	Description： null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-06	Process data output 18	7313	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others： K connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-07	Process data output 19	7314	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others： K connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-08	Process data output 20	7315	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others： K connector									

	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-09	Process data output 21	7316	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-10	Process data output 22	7317	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-11	Process data output 23	7318	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-12	Process data output 24	7319	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-13	Process data output 25	7320	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-14	Process data output 26	7321	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n57-15	Process data output 27	7322	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-16	Process data output 28	7323	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-17	Process data output 29	7324	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n57-18	Process data output 30	7325	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-19	Process data output 31	7326	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-20	Process data output 32	7327	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-21	Communication	7344	-	-	0	UInt16	1	In real time	General user	In real time

	base value of process data output 17									
n57-22	Communication base value of process data output 18	7345	-	-	0	UInt16	1	In real time	General user	In real time
n57-23	Communication base value of process data output 19	7346	-	-	0	UInt16	1	In real time	General user	In real time
n57-24	Communication base value of process data output 20	7347	-	-	0	UInt16	1	In real time	General user	In real time
n57-25	Communication base value of process data output 21	7348	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-26	Communication base	7349	-	-	0	UInt16	1	In real time	General user	In real time

	value of process data output 22									
n57-27	Communication base value of process data output 23	7350	-	-	0	UInt16	1	In real time	General user	In real time
n57-28	Communication base value of process data output 24	7351	-	-	0	UInt16	1	In real time	General user	In real time
n57-29	Communication base value of process data output 25	7352	-	-	0	UInt16	1	In real time	General user	In real time
n57-30	Communication base value of process data output 26	7353	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-31	Communication base value of	7354	-	-	0	UInt16	1	In real time	General user	In real time

	process data output 27									
n57-32	Communication base value of process data output 28	7355	-	-	0	UInt16	1	In real time	General user	In real time
n57-33	Communication base value of process data output 29	7356	-	-	0	UInt16	1	In real time	General user	In real time
n57-34	Communication base value of process data output 30	7357	-	-	0	UInt16	1	In real time	General user	In real time
n57-35	Communication base value of process data output 31	7358	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-36	Communication base value of process	7359	-	-	0	UInt16	1	In real time	General user	In real time

	data output 32									
n57-37	Communication base value of process data input 17	7328	-	-	0	UInt16	1	In real time	General user	In real time
n57-38	Communication base value of process data input 18	7329	-	-	0	UInt16	1	In real time	General user	In real time
n57-39	Communication base value of process data input 19	7330	-	-	0	UInt16	1	In real time	General user	In real time
n57-40	Communication base value of process data input 20	7331	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-41	Communication base value of process data	7332	-	-	0	UInt16	1	In real time	General user	In real time

	input 21									
n57-42	Communication base value of process data input 22	7333	-	-	0	UInt16	1	In real time	General user	In real time
n57-43	Communication base value of process data input 23	7334	-	-	0	UInt16	1	In real time	General user	In real time
n57-44	Communication base value of process data input 24	7335	-	-	0	UInt16	1	In real time	General user	In real time
n57-45	Communication base value of process data input 25	7336	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-46	Communication base value of process data input 26	7337	-	-	0	UInt16	1	In real time	General user	In real time

n57-47	Communication base value of process data input 27	7338	-	-	0	UInt16	1	In real time	General user	In real time
n57-48	Communication base value of process data input 28	7339	-	-	0	UInt16	1	In real time	General user	In real time
n57-49	Communication base value of process data input 29	7340	-	-	0	UInt16	1	In real time	General user	In real time
n57-50	Communication base value of process data input 30	7341	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-51	Communication base value of process data input 31	7342	-	-	0	UInt16	1	In real time	General user	In real time
n57-52	Communi	7343	-	-	0	UInt16	1	In real	General	In real

	cation base value of process data input 32							time	user	time
n57-53	Displayed data of process data output 17	37086	-	-	-	UInt16	1	N/A	General user	In real time
n57-54	Displayed data of process data output 18	37087	-	-	-	UInt16	1	N/A	General user	In real time
n57-55	Displayed data of process data output 19	37088	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-56	Displayed data of process data output 20	37089	-	-	-	UInt16	1	N/A	General user	In real time
n57-57	Displayed data of process data output 21	37090	-	-	-	UInt16	1	N/A	General user	In real time
n57-58	Displayed data of process data	37091	-	-	-	UInt16	1	N/A	General user	In real time

	output 22									
n57-59	Displayed data of process data output 23	37092	-	-	-	UInt16	1	N/A	General user	In real time
n57-60	Displayed data of process data output 24	37093	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-61	Displayed data of process data output 25	37094	-	-	-	UInt16	1	N/A	General user	In real time
n57-62	Displayed data of process data output 26	37095	-	-	-	UInt16	1	N/A	General user	In real time
n57-63	Displayed data of process data output 27	37096	-	-	-	UInt16	1	N/A	General user	In real time
n57-64	Displayed data of process data output 28	37097	-	-	-	UInt16	1	N/A	General user	In real time
n57-65	Displayed data of process data	37098	-	-	-	UInt16	1	N/A	General user	In real time

	output 29									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-66	Displayed data of process data output 30	37099	-	-	-	UInt16	1	N/A	General user	In real time
n57-67	Displayed data of process data output 31	37100	-	-	-	UInt16	1	N/A	General user	In real time
n57-68	Displayed data of process data output 32	37101	-	-	-	UInt16	1	N/A	General user	In real time
n57-69	Displayed data of process data input 17	37070	-	-	-	UInt16	1	N/A	General user	In real time
n57-70	Displayed data of process data input 18	37071	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-71	Displayed data of process data input 19	37072	-	-	-	UInt16	1	N/A	General user	In real time

n57-72	Displayed data of process data input 20	37073	-	-	-	UInt16	1	N/A	General user	In real time
n57-73	Displayed data of process data input 21	37074	-	-	-	UInt16	1	N/A	General user	In real time
n57-74	Displayed data of process data input 22	37075	-	-	-	UInt16	1	N/A	General user	In real time
n57-75	Displayed data of process data input 23	37076	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-76	Displayed data of process data input 24	37077	-	-	-	UInt16	1	N/A	General user	In real time
n57-77	Displayed data of process data input 25	37078	-	-	-	UInt16	1	N/A	General user	In real time
n57-78	Displayed data of process data input 26	37079	-	-	-	UInt16	1	N/A	General user	In real time

n57-79	Displayed data of process data input 27	37080	-	-	-	UInt16	1	N/A	General user	In real time
n57-80	Displayed data of process data input 28	37081	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-81	Displayed data of process data input 29	37082	-	-	-	UInt16	1	N/A	General user	In real time
n57-82	Displayed data of process data input 30	37083	-	-	-	UInt16	1	N/A	General user	In real time
n57-83	Displayed data of process data input 31	37084	-	-	-	UInt16	1	N/A	General user	In real time
n57-84	Displayed data of process data input 32	37085	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-85	High/Low byte	7360	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

	conversion switch for expansion process data output of adapter A									

Value:

Bit	Name	Value
bit0	Process data output 17	0: Invalid 1: Enable
bit1	Process data output 18	0: Invalid 1: Enable
bit2	Process data output 19	0: Invalid 1: Enable
bit3	Process data output 20	0: Invalid 1: Enable
bit4	Process data output 21	0: Invalid 1: Enable
bit5	Process data output 22	0: Invalid 1: Enable
bit6	Process data output 23	0: Invalid 1: Enable
bit7	Process data output 24	0: Invalid 1: Enable
bit8	Process data output 25	0: Invalid 1: Enable
bit9	Process data output 26	0: Invalid 1: Enable
bit10	Process data output 27	0: Invalid 1: Enable
bit11	Process data output 28	0: Invalid 1: Enable
bit12	Process data output 29	0: Invalid 1: Enable
bit13	Process data output 30	0: Invalid 1: Enable

bit14	Process data output 31	0: Invalid 1: Enable	
bit15	Process data output 32	0: Invalid 1: Enable	

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-86	High and low byte conversion switches for expansion process data input of adapter A	7361	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value：

Bit	Name	Value
bit0	Process data input 17	0: Invalid 1: Enable
bit1	Process data input 18	0: Invalid 1: Enable
bit2	Process data input 19	0: Invalid 1: Enable
bit3	Process data input 20	0: Invalid 1: Enable
bit4	Process data input 21	0: Invalid 1: Enable
bit5	Process data input 22	0: Invalid 1: Enable
bit6	Process data input 23	0: Invalid 1: Enable
bit7	Process data input 24	0: Invalid 1: Enable

bit8	Process data input 25	0: Invalid 1: Enable
bit9	Process data input 26	0: Invalid 1: Enable
bit10	Process data input 27	0: Invalid 1: Enabled
bit11	Process data input 28	0: Invalid 1: Enabled
bit12	Process data input 29	0: Invalid 1: Enabled
bit13	Process data input 30	0: Invalid 1: Enable
bit14	Process data input 31	0: Invalid 1: Enable
bit15	Process data input 32	0: Invalid 1: Enable

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-87	Effective PZD of expansion output of adapter A	37346	Refer to "Value"	-	-	UInt16	1	N/A	General user	In real time

Value：

Bit	Name	Value
bit0-	PZD17 output (n37-05)	0: Invalid 1: Valid
bit1-	PZD18 output (n37-06)	0: Invalid 1: Valid
bit2-	PZD19 output (n37-07)	0: Invalid 1: Valid
bit3-	PZD20 output (n37-08)	0: Invalid 1: Valid

bit4-	PZD21 output (n37-09)	0: Invalid 1: Valid	
bit5-	PZD22 output (n37-10)	0: Invalid 1: Valid	
bit6-	PZD23 output (n37-11)	0: Invalid 1: Valid	
bit7-	PZD24 output (n37-12)	0: Invalid 1: Valid	
bit8-	PZD25 output (n37-13)	0: Invalid 1: Valid	
bit9-	PZD26 output (n37-14)	0: Invalid 1: Valid	
bit10-	PZD27 output (n37-15)	0: Invalid 1: Valid	
bit11-	PZD28 output (n37-16)	0: Invalid 1: Valid	
bit12-	PZD29 output (n37-17)	0: Invalid 1: Valid	
bit13-	PZD30 output (n37-18)	0: Invalid 1: Valid	
bit14-	PZD31 output (n37-19)	0: Valid 1: Active	
bit15-	PZD32 output (n37-20)	0: Invalid 1: Valid	

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n57-88	Effective double word PZD of expansion output of adapter A	37347	-	-	-	UInt16	1	N/A	General user	In real time

n58 Expansion Process Data of Fieldbus Adapter B

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-00	Expansion process data of fieldbus adapter B	7806	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: Inhibited 1: Enabled									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-01	Expansion process data status display of fieldbus adapter B	37495	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-05	Process data output 17	7362	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-06	Process data output 18	7363	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-07	Process data output 19	7364	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-08	Process data output 20	7365	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									

Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
n58-09	Process data output 21	7366	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-10	Process data output 22	7367	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-11	Process data output 23	7368	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n58-12	Process data output 24	7369	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-13	Process data output 25	7370	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-14	Process data output 26	7371	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-15	Process data	7372	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	output 27									
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-16	Process data output 28	7373	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-17	Process data output 29	7374	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value: 0: 0 Others: K connector									
	Description: null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-18	Process data output 30	7375	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time

	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-19	Process data output 31	7376	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-20	Process data output 32	7377	Refer to "Value"	-	0	UInt16	1	In real time	General user	In real time
	Value： 0：0 Others：K connector									
	Description： null									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-21	Communication base value of process data	7394	-	-	0	UInt16	1	In real time	General user	In real time

	output 17									
n58-22	Communication base value of process data output 18	7395	-	-	0	UInt16	1	In real time	General user	In real time
n58-23	Communication base value of process data output 19	7396	-	-	0	UInt16	1	In real time	General user	In real time
n58-24	Communication base value of process data output 20	7397	-	-	0	UInt16	1	In real time	General user	In real time
n58-25	Communication base value of process data output 21	7398	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-26	Communication base value of process data output 22	7399	-	-	0	UInt16	1	In real time	General user	In real time

n58-27	Communication base value of process data output 23	7400	-	-	0	UInt16	1	In real time	General user	In real time
n58-28	Communication base value of process data output 24	7401	-	-	0	UInt16	1	In real time	General user	In real time
n58-29	Communication base value of process data output 25	7402	-	-	0	UInt16	1	In real time	General user	In real time
n58-30	Communication base value of process data output 26	7403	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-31	Communication base value of process data output 27	7404	-	-	0	UInt16	1	In real time	General user	In real time
n58-32	Communi	7405	-	-	0	UInt16	1	In real	General	In real

	cation base value of process data output 28							time	user	time
n58-33	Communication base value of process data output 29	7406	-	-	0	UInt16	1	In real time	General user	In real time
n58-34	Communication base value of process data output 30	7407	-	-	0	UInt16	1	In real time	General user	In real time
n58-35	Communication base value of process data output 31	7408	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-36	Communication base value of process data output 32	7409	-	-	0	UInt16	1	In real time	General user	In real time
n58-37	Communication	7378	-	-	0	UInt16	1	In real time	General user	In real time

	base value of process data input 17									
n58-38	Communication base value of process data input 18	7379	-	-	0	UInt16	1	In real time	General user	In real time
n58-39	Communication base value of process data input 19	7380	-	-	0	UInt16	1	In real time	General user	In real time
n58-40	Communication base value of process data input 20	7381	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-41	Communication base value of process data input 21	7382	-	-	0	UInt16	1	In real time	General user	In real time
n58-42	Communication base	7383	-	-	0	UInt16	1	In real time	General user	In real time

	value of process data input 22									
n58-43	Communication base value of process data input 23	7384	-	-	0	UInt16	1	In real time	General user	In real time
n58-44	Communication base value of process data input 24	7385	-	-	0	UInt16	1	In real time	General user	In real time
n58-45	Communication base value of process data input 25	7386	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-46	Communication base value of process data input 26	7387	-	-	0	UInt16	1	In real time	General user	In real time
n58-47	Communication base value of	7388	-	-	0	UInt16	1	In real time	General user	In real time

	process data input 27									
n58-48	Communication base value of process data input 28	7389	-	-	0	UInt16	1	In real time	General user	In real time
n58-49	Communication base value of process data input 29	7390	-	-	0	UInt16	1	In real time	General user	In real time
n58-50	Communication base value of process data input 30	7391	-	-	0	UInt16	1	In real time	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-51	Communication base value of process data input 31	7392	-	-	0	UInt16	1	In real time	General user	In real time
n58-52	Communication base value of process	7393	-	-	0	UInt16	1	In real time	General user	In real time

	data input 32									
n58-53	Displayed data of process data output 17	37118	-	-	-	UInt16	1	N/A	General user	In real time
n58-54	Displayed data of process data output 18	37119	-	-	-	UInt16	1	N/A	General user	In real time
n58-55	Displayed data of process data output 19	37120	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-56	Displayed data of process data output 20	37121	-	-	-	UInt16	1	N/A	General user	In real time
n58-57	Displayed data of process data output 21	37122	-	-	-	UInt16	1	N/A	General user	In real time
n58-58	Displayed data of process data output 22	37123	-	-	-	UInt16	1	N/A	General user	In real time
n58-59	Displayed data of process	37124	-	-	-	UInt16	1	N/A	General user	In real time

	data output 23									
n58-60	Displayed data of process data output 24	37125	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-61	Displayed data of process data output 25	37126	-	-	-	UInt16	1	N/A	General user	In real time
n58-62	Displayed data of process data output 26	37127	-	-	-	UInt16	1	N/A	General user	In real time
n58-63	Displayed data of process data output 27	37128	-	-	-	UInt16	1	N/A	General user	In real time
n58-64	Displayed data of process data output 28	37129	-	-	-	UInt16	1	N/A	General user	In real time
n58-65	Displayed data of process data output 29	37130	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

n58-66	Displayed data of process data output 30	37131	-	-	-	UInt16	1	N/A	General user	In real time
n58-67	Displayed data of process data output 31	37132	-	-	-	UInt16	1	N/A	General user	In real time
n58-68	Displayed data of process data output 32	37133	-	-	-	UInt16	1	N/A	General user	In real time
n58-69	Displayed data of process data input 17	37102	-	-	-	UInt16	1	N/A	General user	In real time
n58-70	Displayed data of process data input 18	37103	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-71	Displayed data of process data input 19	37104	-	-	-	UInt16	1	N/A	General user	In real time
n58-72	Displayed data of process data input 20	37105	-	-	-	UInt16	1	N/A	General user	In real time

n58-73	Displayed data of process data input 21	37106	-	-	-	UInt16	1	N/A	General user	In real time
n58-74	Displayed data of process data input 22	37107	-	-	-	UInt16	1	N/A	General user	In real time
n58-75	Displayed data of process data input 23	37108	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-76	Displayed data of process data input 24	37109	-	-	-	UInt16	1	N/A	General user	In real time
n58-77	Displayed data of process data input 25	37110	-	-	-	UInt16	1	N/A	General user	In real time
n58-78	Displayed data of process data input 26	37111	-	-	-	UInt16	1	N/A	General user	In real time
n58-79	Displayed data of process data input 27	37112	-	-	-	UInt16	1	N/A	General user	In real time

n58-80	Displayed data of process data input 28	37113	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-81	Displayed data of process data input 29	37114	-	-	-	UInt16	1	N/A	General user	In real time
n58-82	Displayed data of process data input 30	37115	-	-	-	UInt16	1	N/A	General user	In real time
n58-83	Displayed data of process data input 31	37116	-	-	-	UInt16	1	N/A	General user	In real time
n58-84	Displayed data of process data input 32	37117	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-85	High/Low byte conversion switch for expansion process data	7410	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

	output of adapter B									

Value:

Bit	Name	Value
bit0	Process data output 17	0: Invalid 1: Enable
bit1	Process data output 18	0: Invalid 1: Enable
bit2	Process data output 19	0: Invalid 1: Enable
bit3	Process data output 20	0: Invalid 1: Enable
bit4	Process data output 21	0: Invalid 1: Enable
bit5	Process data output 22	0: Invalid 1: Enable
bit6	Process data output 23	0: Invalid 1: Enable
bit7	Process data output 24	0: Invalid 1: Enable
bit8	Process data output 25	0: Invalid 1: Enable
bit9	Process data output 26	0: Invalid 1: Enable
bit10	Process data output 27	0: Invalid 1: Enable
bit11	Process data output 28	0: Invalid 1: Enable
bit12	Process data output 29	0: Invalid 1: Enable
bit13	Process data output 30	0: Invalid 1: Enable
bit14	Process data output 31	0: Invalid 1: Enable
bit15	Process data output 32	0: Invalid 1: Enable

Description:

null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-86	High/Low byte conversion switch for expansion process data input of adapter B	7411	Refer to "Value"	-	0x0	UInt16	1	In real time	General user	In real time

Value:

Bit	Name	Value
bit0	Process data input 17	0: Invalid 1: Enable
bit1	Process data input 18	0: Invalid 1: Enable
bit2	Process data input 19	0: Invalid 1: Enable
bit3	Process data input 20	0: Invalid 1: Enable
bit4	Process data input 21	0: Invalid 1: Enable
bit5	Process data input 22	0: Invalid 1: Enable
bit6	Process data input 23	0: Invalid 1: Enable
bit7	Process data input 24	0: Invalid 1: Enable
bit8	Process data input 25	0: Invalid 1: Enable
bit9	Process data input 26	0: Invalid 1: Enable
bit10	Process data input 27	0: Invalid 1: Enabled
bit11	Process data input 28	0: Invalid 1: Enabled

bit12	Process data input 29	0: Invalid 1: Enabled
bit13	Process data input 30	0: Invalid 1: Enable
bit14	Process data input 31	0: Invalid 1: Enable
bit15	Process data input 32	0: Invalid 1: Enable

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-87	Effective PZD of expansion output of adapter B	37348	Refer to "Value"	-	-	UInt16	1	N/A	General user	In real time

Value：

Bit	Name	Value
bit0-	PZD17 output (n38-05)	0: Invalid 1: Valid
bit1-	PZD18 output (n38-06)	0: Invalid 1: Valid
bit2-	PZD19 output (n38-07)	0: Invalid 1: Valid
bit3-	PZD20 output (n38-08)	0: Invalid 1: Valid
bit4-	PZD21 output (n38-09)	0: Invalid 1: Valid
bit5-	PZD22 output (n38-10)	0: Invalid 1: Valid
bit6-	PZD23 output (n38-11)	0: Invalid 1: Valid
bit7-	PZD24 output (n38-12)	0: Invalid 1: Valid

bit8-	PZD25 output (n38-13)	0: Invalid 1: Valid
bit9-	PZD26 output (n38-14)	0: Invalid 1: Valid
bit10-	PZD27 output (n38-15)	0: Invalid 1: Valid
bit11-	PZD28 output (n38-16)	0: Invalid 1: Valid
bit12-	PZD29 output (n38-17)	0: Invalid 1: Valid
bit13-	PZD30 output (n38-18)	0: Invalid 1: Valid
bit14-	PZD31 output (n38-19)	0: Valid 1: Active
bit15-	PZD32 output (n38-20)	0: Invalid 1: Valid

Description：
null

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
n58-88	Effective double word PZD of expansion output of adapter B	37349	-	-	-	UInt16	1	N/A	General user	In real time

U0 Bit connector 1

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U0-00	Logic 0	32896	-	-	-	Boolean type	1	N/A	General user	In real time
U0-01	Logic 1	32897	-	-	-	Boolean	1	N/A	General	In real

						type			user	time
U0-02	DI1	32898	-	-	-	Boolean type	1	N/A	General user	In real time
U0-03	DI2	32899	-	-	-	Boolean type	1	N/A	General user	In real time
U0-04	DI3	32900	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U0-05	DI4	32901	-	-	-	Boolean type	1	N/A	General user	In real time
U0-06	DI5	32902	-	-	-	Boolean type	1	N/A	General user	In real time
U0-07	DI6	32903	-	-	-	Boolean type	1	N/A	General user	In real time
U0-08	DIL	32904	-	-	-	Boolean type	1	N/A	General user	In real time
U0-09	HDI1	32905	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U0-10	HDI2	32906	-	-	-	Boolean type	1	N/A	General user	In real time
U0-12	DI1 inverted	32908	-	-	-	Boolean type	1	N/A	General user	In real time
U0-13	DI2 inverted	32909	-	-	-	Boolean type	1	N/A	General user	In real time
U0-14	DI3 inverted	32910	-	-	-	Boolean type	1	N/A	General user	In real time
U0-15	DI4 inverted	32911	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U0-16	DI5 inverted	32912	-	-	-	Boolean type	1	N/A	General user	In real time
U0-17	DI6 inverted	32913	-	-	-	Boolean type	1	N/A	General user	In real time

U0-18	DIL inverted	32914	-	-	-	Boolean type	1	N/A	General user	In real time
U0-19	HDI1 inverted	32915	-	-	-	Boolean type	1	N/A	General user	In real time
U0-20	HDI2 inverted	32916	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U0-21	RO1	32917	-	-	-	Boolean type	1	N/A	General user	In real time
U0-22	RO2	32918	-	-	-	Boolean type	1	N/A	General user	In real time
U0-23	RO3	32919	-	-	-	Boolean type	1	N/A	General user	In real time
U0-24	HDO1	32920	-	-	-	Boolean type	1	N/A	General user	In real time
U0-25	HDO2	32921	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U0-26	Current reference channel	32922	-	-	-	Boolean type	1	N/A	General user	In real time
U0-31	Multi-reference selection 1	32927	-	-	-	Boolean type	1	N/A	General user	In real time
U0-32	Multi-reference selection 2	32928	-	-	-	Boolean type	1	N/A	General user	In real time
U0-33	Multi-reference selection 3	32929	-	-	-	Boolean type	1	N/A	General user	In real time
U0-34	Multi-reference selection 4	32930	-	-	-	Boolean type	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U0-35	AI1 open circuit monitoring	32931	-	-	-	Boolean type	1	N/A	General user	In real time
U0-36	AI2 open circuit monitoring	32932	-	-	-	Boolean type	1	N/A	General user	In real time
U0-41	State of expansion slot 1_1	32937	-	-	-	Boolean type	1	N/A	General user	In real time
U0-42	State of expansion slot 1_2	32938	-	-	-	Boolean type	1	N/A	General user	In real time
U0-43	State of expansion slot 1_3	32939	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U0-44	State of expansion slot 2_1	32940	-	-	-	Boolean type	1	N/A	General user	In real time
U0-45	State of expansion slot 2_2	32941	-	-	-	Boolean type	1	N/A	General user	In real time
U0-46	State of expansion slot 2_3	32942	-	-	-	Boolean type	1	N/A	General user	In real time
U0-47	State of expansion slot 3_1	32943	-	-	-	Boolean type	1	N/A	General user	In real time
U0-53	State of trigger oscilloscope	33784	-	-	-	Boolean type	1	N/A	General user	In real time

U1 Bit connector 2

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U1-00	Ready to switch on	34002	-	-	-	Boolean type	1	N/A	General user	In real time
U1-01	Ready to run	34003	-	-	-	Boolean type	1	N/A	General user	In real time
U1-02	Started	34001	-	-	-	Boolean type	1	N/A	General user	In real time
U1-03	OFF1 activated	34004	-	-	-	Boolean type	1	N/A	General user	In real time
U1-04	OFF2 deactivated	34005	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U1-05	Switch-on blocked	34012	-	-	-	Boolean type	1	N/A	General user	In real time
U1-06	Not started	33998	-	-	-	Boolean type	1	N/A	General user	In real time
U1-07	Waiting for soft start	34010	-	-	-	Boolean type	1	N/A	General user	In real time
U1-08	Soft start in progress	34011	-	-	-	Boolean type	1	N/A	General user	In real time
U1-09	Soft start completed	34009	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U1-11	Main circuit breaker control comman	34014	-	-	-	Boolean type	1	N/A	General user	In real time

	d									
U1-12	Startup completed	34007	-	-	-	Boolean type	1	N/A	General user	In real time
U1-13	Startup not completed	34008	-	-	-	Boolean type	1	N/A	General user	In real time
U1-14	Fault activated	32999	-	-	-	Boolean type	1	N/A	General user	In real time
U1-15	Alarm/Minor fault activated	33003	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U1-16	OFF2 activated	33020	-	-	-	Boolean type	1	N/A	General user	In real time
U1-17	Auto-tuning in progress	34016	-	-	-	Boolean type	1	N/A	General user	In real time
U1-18	Auto-inspection in progress	34015	-	-	-	Boolean type	1	N/A	General user	In real time
U1-19	No fault	33019	-	-	-	Boolean type	1	N/A	General user	In real time
U1-20	No alarm/minor fault	33023	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U1-22	Main circuit breaker feedback state	33987	-	-	-	Boolean type	1	N/A	General user	In real time
U1-24	Operation comman	33985	-	-	-	Boolean type	1	N/A	General user	In real time

	d									
U1-25	In operation	34006	-	-	-	Boolean type	1	N/A	General user	In real time
U1-27	Fault reset command state	34029	-	-	-	Boolean type	1	N/A	General user	In real time
U1-28	Effective terminal start/stop module	33958	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U1-29	Terminal start/stop module OFF1 status	33959	-	-	-	Boolean type	1	N/A	General user	In real time
U1-30	[Module 1] OFF1 status	33960	-	-	-	Boolean type	1	N/A	General user	In real time
U1-31	[Module 2] OFF1 status	33961	-	-	-	Boolean type	1	N/A	General user	In real time
U1-32	Default configuration status	33968	-	-	-	Boolean type	1	N/A	General user	In real time
U1-78	Remote control permission	33074	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U1-79	Process data support flag of fieldbus adapter A	33312	-	-	-	Boolean type	1	N/A	General user	In real time

U1-80	Process data support flag of fieldbus adapter B	33313	-	-	-	Boolean type	1	N/A	General user	In real time
U1-95	SOP-20 control permission	36315	-	-	-	Boolean type	1	N/A	General user	In real time
U1-96	PC control permission	37067	-	-	-	Boolean type	1	N/A	General user	In real time

U2 Bit connector 3

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-00	PZD1.0 of fieldbus adapter A	33096	-	-	-	Boolean type	1	N/A	General user	In real time
U2-01	PZD1.1 of fieldbus adapter A	33097	-	-	-	Boolean type	1	N/A	General user	In real time
U2-02	PZD1.2 of fieldbus adapter A	33098	-	-	-	Boolean type	1	N/A	General user	In real time
U2-03	PZD1.3 of fieldbus adapter A	33099	-	-	-	Boolean type	1	N/A	General user	In real time
U2-04	PZD1.4 of fieldbus adapter A	33100	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-05	PZD1.5 of fieldbus adapter A	33101	-	-	-	Boolean type	1	N/A	General user	In real time

U2-06	PZD1.6 of fieldbus adapter A	33102	-	-	-	Boolean type	1	N/A	General user	In real time
U2-07	PZD1.7 of fieldbus adapter A	33103	-	-	-	Boolean type	1	N/A	General user	In real time
U2-08	PZD1.8 of fieldbus adapter A	33104	-	-	-	Boolean type	1	N/A	General user	In real time
U2-09	PZD1.9 of fieldbus adapter A	33105	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-10	PZD1.10 of fieldbus adapter A	33106	-	-	-	Boolean type	1	N/A	General user	In real time
U2-11	PZD1.11 of fieldbus adapter A	33107	-	-	-	Boolean type	1	N/A	General user	In real time
U2-12	PZD1.12 of fieldbus adapter A	33108	-	-	-	Boolean type	1	N/A	General user	In real time
U2-13	PZD1.13 of fieldbus adapter A	33109	-	-	-	Boolean type	1	N/A	General user	In real time
U2-14	PZD1.14 of fieldbus adapter A	33110	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-15	PZD1.15 of fieldbus adapter A	33111	-	-	-	Boolean type	1	N/A	General user	In real time

U2-16	PZD1.0 of fieldbus adapter B	33144	-	-	-	Boolean type	1	N/A	General user	In real time
U2-17	PZD1.1 of fieldbus adapter B	33145	-	-	-	Boolean type	1	N/A	General user	In real time
U2-18	PZD1.2 of fieldbus adapter B	33146	-	-	-	Boolean type	1	N/A	General user	In real time
U2-19	PZD1.3 of fieldbus adapter B	33147	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-20	PZD1.4 of fieldbus adapter B	33148	-	-	-	Boolean type	1	N/A	General user	In real time
U2-21	PZD1.5 of fieldbus adapter B	33149	-	-	-	Boolean type	1	N/A	General user	In real time
U2-22	PZD1.6 of fieldbus adapter B	33150	-	-	-	Boolean type	1	N/A	General user	In real time
U2-23	PZD1.7 of fieldbus adapter B	33151	-	-	-	Boolean type	1	N/A	General user	In real time
U2-24	PZD1.8 of fieldbus adapter B	33152	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-25	PZD1.9 of fieldbus adapter B	33153	-	-	-	Boolean type	1	N/A	General user	In real time
U2-26	PZD1.10 of fieldbus adapter B	33154	-	-	-	Boolean type	1	N/A	General user	In real time
U2-27	PZD1.11 of	33155	-	-	-	Boolean	1	N/A	General	In real

	fieldbus adapter B					type			user	time
U2-28	PZD1.12 of fieldbus adapter B	33156	-	-	-	Boolean type	1	N/A	General user	In real time
U2-29	PZD1.13 of fieldbus adapter B	33157	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-30	PZD1.14 of fieldbus adapter B	33158	-	-	-	Boolean type	1	N/A	General user	In real time
U2-31	PZD1.15 of fieldbus adapter B	33159	-	-	-	Boolean type	1	N/A	General user	In real time
U2-32	Inolink.PZD1.0	33176	-	-	-	Boolean type	1	N/A	General user	In real time
U2-33	Inolink.PZD1.1	33177	-	-	-	Boolean type	1	N/A	General user	In real time
U2-34	Inolink.PZD1.2	33178	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-35	Inolink.PZD1.3	33179	-	-	-	Boolean type	1	N/A	General user	In real time
U2-36	Inolink.PZD1.4	33180	-	-	-	Boolean type	1	N/A	General user	In real time
U2-37	Inolink.PZD1.5	33181	-	-	-	Boolean type	1	N/A	General user	In real time
U2-38	Inolink.PZD1.6	33182	-	-	-	Boolean type	1	N/A	General user	In real time
U2-39	Inolink.PZD1.7	33183	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
U2-40	Inolink.PZD1.8	33184	-	-	-	Boolean type	1	N/A	General user	In real time
U2-41	Inolink.PZD1.9	33185	-	-	-	Boolean type	1	N/A	General user	In real time
U2-42	Inolink.PZD1.10	33186	-	-	-	Boolean type	1	N/A	General user	In real time
U2-43	Inolink.PZD1.11	33187	-	-	-	Boolean type	1	N/A	General user	In real time
U2-44	Inolink.PZD1.12	33188	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-45	Inolink.PZD1.13	33189	-	-	-	Boolean type	1	N/A	General user	In real time
U2-46	Inolink.PZD1.14	33190	-	-	-	Boolean type	1	N/A	General user	In real time
U2-47	Inolink.PZD1.15	33191	-	-	-	Boolean type	1	N/A	General user	In real time
U2-48	bit0 of the output of word-to-bit function 1	33112	-	-	-	Boolean type	1	N/A	General user	In real time
U2-49	bit1 of the output of word-to-bit function 1	33113	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-50	bit2 of the output of word-to-	33114	-	-	-	Boolean type	1	N/A	General user	In real time

	bit function 1									
U2-51	bit3 of the output of word-to-bit function 1	33115	-	-	-	Boolean type	1	N/A	General user	In real time
U2-52	bit4 of the output of word-to-bit function 1	33116	-	-	-	Boolean type	1	N/A	General user	In real time
U2-53	bit5 of the output of word-to-bit function 1	33117	-	-	-	Boolean type	1	N/A	General user	In real time
U2-54	bit6 of the output of word-to-bit function 1	33118	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-55	bit7 of the output of word-to-bit function 1	33119	-	-	-	Boolean type	1	N/A	General user	In real time
U2-56	bit8 of	33120	-	-	-	Boolean	1	N/A	General	In real

	the output of word-to-bit function 1					type			user	time
U2-57	bit9 of the output of word-to-bit function 1	33121	-	-	-	Boolean type	1	N/A	General user	In real time
U2-58	bit10 of the output of word-to-bit function 1	33122	-	-	-	Boolean type	1	N/A	General user	In real time
U2-59	bit11 of the output of word-to-bit function 1	33123	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-60	bit12 of the output of word-to-bit function 1	33124	-	-	-	Boolean type	1	N/A	General user	In real time
U2-61	bit13 of the output of word-to-bit function	33125	-	-	-	Boolean type	1	N/A	General user	In real time

	1									
U2-62	bit14 of the output of word-to-bit function 1	33126	-	-	-	Boolean type	1	N/A	General user	In real time
U2-63	bit15 of the output of word-to-bit function 1	33127	-	-	-	Boolean type	1	N/A	General user	In real time
U2-64	bit0 of the output of word-to-bit function 2	33128	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-65	bit1 of the output of word-to-bit function 2	33129	-	-	-	Boolean type	1	N/A	General user	In real time
U2-66	bit2 of the output of word-to-bit function 2	33130	-	-	-	Boolean type	1	N/A	General user	In real time
U2-67	bit3 of the output of	33131	-	-	-	Boolean type	1	N/A	General user	In real time

	word-to-bit function 2									
U2-68	bit4 of the output of word-to-bit function 2	33132	-	-	-	Boolean type	1	N/A	General user	In real time
U2-69	bit5 of the output of word-to-bit function 2	33133	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-70	bit6 of the output of word-to-bit function 2	33134	-	-	-	Boolean type	1	N/A	General user	In real time
U2-71	bit7 of the output of word-to-bit function 2	33135	-	-	-	Boolean type	1	N/A	General user	In real time
U2-72	bit8 of the output of word-to-bit function 2	33136	-	-	-	Boolean type	1	N/A	General user	In real time

U2-73	bit9 of the output of word-to-bit function 2	33137	-	-	-	Boolean type	1	N/A	General user	In real time
U2-74	bit10 of the output of word-to-bit function 2	33138	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-75	bit11 of the output of word-to-bit function 2	33139	-	-	-	Boolean type	1	N/A	General user	In real time
U2-76	bit12 of the output of word-to-bit function 2	33140	-	-	-	Boolean type	1	N/A	General user	In real time
U2-77	bit13 of the output of word-to-bit function 2	33141	-	-	-	Boolean type	1	N/A	General user	In real time
U2-78	bit14 of the output of word-to-bit	33142	-	-	-	Boolean type	1	N/A	General user	In real time

	function 2									
U2-79	bit15 of the output of word-to-bit function 2	33143	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-80	bit0 of the output of word-to-bit function 3	33160	-	-	-	Boolean type	1	N/A	General user	In real time
U2-81	bit1 of the output of word-to-bit function 3	33161	-	-	-	Boolean type	1	N/A	General user	In real time
U2-82	bit2 of the output of word-to-bit function 3	33162	-	-	-	Boolean type	1	N/A	General user	In real time
U2-83	bit3 of the output of word-to-bit function 3	33163	-	-	-	Boolean type	1	N/A	General user	In real time
U2-84	bit4 of the	33164	-	-	-	Boolean type	1	N/A	General user	In real time

	output of word-to-bit function 3									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-85	bit5 of the output of word-to-bit function 3	33165	-	-	-	Boolean type	1	N/A	General user	In real time
U2-86	bit6 of the output of word-to-bit function 3	33166	-	-	-	Boolean type	1	N/A	General user	In real time
U2-87	bit7 of the output of word-to-bit function 3	33167	-	-	-	Boolean type	1	N/A	General user	In real time
U2-88	bit8 of the output of word-to-bit function 3	33168	-	-	-	Boolean type	1	N/A	General user	In real time
U2-89	bit9 of the output of word-to-bit function	33169	-	-	-	Boolean type	1	N/A	General user	In real time

	3									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U2-90	bit10 of the output of word-to-bit function 3	33170	-	-	-	Boolean type	1	N/A	General user	In real time
U2-91	bit11 of the output of word-to-bit function 3	33171	-	-	-	Boolean type	1	N/A	General user	In real time
U2-92	bit12 of the output of word-to-bit function 3	33172	-	-	-	Boolean type	1	N/A	General user	In real time
U2-93	bit13 of the output of word-to-bit function 3	33173	-	-	-	Boolean type	1	N/A	General user	In real time
U2-94	bit14 of the output of word-to-bit function 3	33174	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

U2-95	bit15 of the output of word-to-bit function 3	33175	-	-	-	Boolean type	1	N/A	General user	In real time
U2-96	Output of pulse generator module 1	35828	-	-	-	Boolean type	1	N/A	General user	In real time
U2-97	Output of pulse generator module 2	35829	-	-	-	Boolean type	1	N/A	General user	In real time
U2-98	Output of pulse generator module 3	35830	-	-	-	Boolean type	1	N/A	General user	In real time

U3 Bit connector 4

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U3-00	Output of logic AND module A	33196	-	-	-	Boolean type	1	N/A	General user	In real time
U3-01	Output of logic AND module B	33197	-	-	-	Boolean type	1	N/A	General user	In real time
U3-02	Output of logic AND module C	33198	-	-	-	Boolean type	1	N/A	General user	In real time
U3-03	Output of logic AND module D	33199	-	-	-	Boolean type	1	N/A	General user	In real time
U3-04	Output of logic NOT module A	33200	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
U3-05	Output of Logic NOT module B	33201	-	-	-	Boolean type	1	N/A	General user	In real time
U3-06	Output of logic NOT module C	33202	-	-	-	Boolean type	1	N/A	General user	In real time
U3-07	Output of logic NOT module D	33203	-	-	-	Boolean type	1	N/A	General user	In real time
U3-08	Output of logic NOT module E	33204	-	-	-	Boolean type	1	N/A	General user	In real time
U3-09	Output of logic NOT module F	33205	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U3-10	Output of logic NOT module G	33206	-	-	-	Boolean type	1	N/A	General user	In real time
U3-11	Output of logic NOT module H	33207	-	-	-	Boolean type	1	N/A	General user	In real time
U3-12	Output of logic OR module A	33208	-	-	-	Boolean type	1	N/A	General user	In real time
U3-13	Output of logic OR module B	33209	-	-	-	Boolean type	1	N/A	General user	In real time
U3-14	Output of logic OR module C	33210	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U3-15	Output of logic OR module D	33211	-	-	-	Boolean type	1	N/A	General user	In real time

U3-16	Output of logical delay module A	33212	-	-	-	Boolean type	1	N/A	General user	In real time
U3-17	Output of logical delay module B	33213	-	-	-	Boolean type	1	N/A	General user	In real time
U3-18	Output of logical delay module C	33214	-	-	-	Boolean type	1	N/A	General user	In real time
U3-19	Output of logical delay module D	33215	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U3-20	Output of logical delay module E	33324	-	-	-	Boolean type	1	N/A	General user	In real time
U3-21	Output of logical delay module F	33325	-	-	-	Boolean type	1	N/A	General user	In real time
U3-22	Output of logical delay module G	33326	-	-	-	Boolean type	1	N/A	General user	In real time
U3-23	Output of logical delay module H	33327	-	-	-	Boolean type	1	N/A	General user	In real time
U3-24	Output of binary selector module 5	35067	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

U3-25	Output of binary selector module 6	35068	-	-	-	Boolean type	1	N/A	General user	In real time
U3-26	Output of binary selector module 7	35069	-	-	-	Boolean type	1	N/A	General user	In real time
U3-27	Output of binary selector module 8	35042	-	-	-	Boolean type	1	N/A	General user	In real time
U3-28	Output of binary selector module 9	38471	-	-	-	Boolean type	1	N/A	General user	In real time
U3-29	Output of binary selector module 10	38472	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U3-40	Hardware fault	33236	-	-	-	Boolean type	1	N/A	General user	In real time
U3-41	SD card fault	33237	-	-	-	Boolean type	1	N/A	General user	In real time
U3-42	Low RTC battery voltage	33238	-	-	-	Boolean type	1	N/A	General user	In real time
U3-43	Local control fault	33239	-	-	-	Boolean type	1	N/A	General user	In real time
U3-44	Drive communication fault	33240	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U3-45	Expansio	33241	-	-	-	Boolean	1	N/A	General	In real

	n module offline					type			user	time
U3-46	Expansion module slot address conflict	33242	-	-	-	Boolean type	1	N/A	General user	In real time
U3-47	Bus adapter fault	33243	-	-	-	Boolean type	1	N/A	General user	In real time
U3-50	Overcurrent fault	33246	-	-	-	Boolean type	1	N/A	General user	In real time
U3-51	Overvoltage fault	33247	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U3-52	Undervoltage fault	33248	-	-	-	Boolean type	1	N/A	General user	In real time
U3-56	Drive overload	33252	-	-	-	Boolean type	1	N/A	General user	In real time
U3-57	Short-circuited to ground	33253	-	-	-	Boolean type	1	N/A	General user	In real time
U3-58	Module overtemperature	33254	-	-	-	Boolean type	1	N/A	General user	In real time
U3-59	Module temperature too low	33255	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U3-60	Ambient temperature too high	33256	-	-	-	Boolean type	1	N/A	General user	In real time
U3-61	Parameter setting error	33257	-	-	-	Boolean type	1	N/A	General user	In real time

U3-62	External fault activated	33266	-	-	-	Boolean type	1	N/A	General user	In real time
U3-63	External alarm activated	33267	-	-	-	Boolean type	1	N/A	General user	In real time
U3-64	EEPROM power failure	33269	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U3-65	Excessive leakage current	33270	-	-	-	Boolean type	1	N/A	General user	In real time
U3-66	Master-slave communication fault (InoLink & optical fiber synchronization)	33274	-	-	-	Boolean type	1	N/A	General user	In real time
U3-67	Incorrect model parameter	33276	-	-	-	Boolean type	1	N/A	General user	In real time
U3-68	Rectifier auto-inspection error	33988	-	-	-	Boolean type	1	N/A	General user	In real time
U3-69	Soft start error	33989	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U3-70	External hardware fault	33990	-	-	-	Boolean type	1	N/A	General user	In real time
U3-71	Reactor	33994	-	-	-	Boolean	1	N/A	General	In real

	temperature exception					type			user	time
U3-72	Module connection exception	33996	-	-	-	Boolean type	1	N/A	General user	In real time
U3-73	Grid voltage error	33997	-	-	-	Boolean type	1	N/A	General user	In real time
U3-74	Input current imbalance	33999	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U3-75	Parameter auto-tuning error	34000	-	-	-	Boolean type	1	N/A	General user	In real time
U3-76	Bus adapter alarm	33284	-	-	-	Boolean type	1	N/A	General user	In real time
U3-77	Internal fault	33277	-	-	-	Boolean type	1	N/A	General user	In real time
U3-78	Exception	33278	-	-	-	Boolean type	1	N/A	General user	In real time
U3-79	24 V voltage too low	33279	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U3-80	Parallel operation alarm	33281	-	-	-	Boolean type	1	N/A	General user	In real time
U3-81	Parallel operation fault	33282	-	-	-	Boolean type	1	N/A	General user	In real time
U3-83	Fan fault	33273	-	-	-	Boolean	1	N/A	General	In real

						type			user	time
U3-84	<Fan Detection Module 1> offline alarm	36167	-	-	-	Boolean type	1	N/A	General user	In real time
U3-85	Offline alarm of < fan detection module 2>	36168	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U3-86	Offline alarm of <fan detection module 3>	36169	-	-	-	Boolean type	1	N/A	General user	In real time
U3-88	Module pre-overtemperature	33289	-	-	-	Boolean type	1	N/A	General user	In real time

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Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-00	Output of logic XOR\XNOR module A	33216	-	-	-	Boolean type	1	N/A	General user	In real time
U4-01	Output of logic XOR\XNOR module B	33217	-	-	-	Boolean type	1	N/A	General user	In real time

U4-02	Output of logic XOR\XNOR module C	33218	-	-	-	Boolean type	1	N/A	General user	In real time
U4-03	Output of logic XOR\XNOR module D	33219	-	-	-	Boolean type	1	N/A	General user	In real time
U4-04	Output of binary selector module 1	33220	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-05	Output of binary selector module 2	33221	-	-	-	Boolean type	1	N/A	General user	In real time
U4-06	Output of binary selector module 3	34866	-	-	-	Boolean type	1	N/A	General user	In real time
U4-07	Output of binary selector module 4	34867	-	-	-	Boolean type	1	N/A	General user	In real time
U4-08	Output of level-to-pulse module A	33222	-	-	-	Boolean type	1	N/A	General user	In real time
U4-09	Output of level-to-pulse module B	33223	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-10	Output of level-to-	33224	-	-	-	Boolean type	1	N/A	General user	In real time

	pulse module C									
U4-11	Output of level-to-pulse module D	33225	-	-	-	Boolean type	1	N/A	General user	In real time
U4-12	Negative number input flag of absolute value module A	33226	-	-	-	Boolean type	1	N/A	General user	In real time
U4-13	Negative number input flag of absolute value module B	33227	-	-	-	Boolean type	1	N/A	General user	In real time
U4-14	Negative number input flag of absolute value module C	33228	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-15	Negative number input flag of absolute value module D	33229	-	-	-	Boolean type	1	N/A	General user	In real time
U4-16	Divide-by-zero flag of MULTIPLY /DIVIDE	33230	-	-	-	Boolean type	1	N/A	General user	In real time

	module A									
U4-17	Divide-by-zero flag of MULTIPLY/DIVIDE module B	33231	-	-	-	Boolean type	1	N/A	General user	In real time
U4-18	Divide-by-zero flag of MULTIPLY/DIVIDE module C	33232	-	-	-	Boolean type	1	N/A	General user	In real time
U4-19	Divide-by-zero flag of MULTIPLY/DIVIDE module D	33233	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-20	Output of comparison module A	33234	-	-	-	Boolean type	1	N/A	General user	In real time
U4-21	Output of comparison module B	33235	-	-	-	Boolean type	1	N/A	General user	In real time
U4-22	Output of comparison module C	34872	-	-	-	Boolean type	1	N/A	General user	In real time
U4-23	Output of comparison module D	34873	-	-	-	Boolean type	1	N/A	General user	In real time
U4-24	Output of comparison module E	35106	-	-	-	Boolean type	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-25	Limit flag of limit module A	35102	-	-	-	Boolean type	1	N/A	General user	In real time
U4-26	Limit flag of limit module B	35103	-	-	-	Boolean type	1	N/A	General user	In real time
U4-27	Limit flag of limit module C	35104	-	-	-	Boolean type	1	N/A	General user	In real time
U4-28	Limit flag of limit module D	35105	-	-	-	Boolean type	1	N/A	General user	In real time
U4-31	Output of logic AND-OR module A	35094	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-32	Output of logic AND/OR module B	35095	-	-	-	Boolean type	1	N/A	General user	In real time
U4-33	Output of logic AND/OR module C	35096	-	-	-	Boolean type	1	N/A	General user	In real time
U4-34	Output of logic AND-OR module D	35097	-	-	-	Boolean type	1	N/A	General user	In real time
U4-35	Output of logic AND-OR module E	35098	-	-	-	Boolean type	1	N/A	General user	In real time
U4-36	Output of logic AND-OR module F	35099	-	-	-	Boolean type	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-37	Output of logic AND-OR module G	35100	-	-	-	Boolean type	1	N/A	General user	In real time
U4-38	Output of logic AND-OR module H	35101	-	-	-	Boolean type	1	N/A	General user	In real time
U4-39	bit0 of the output of word-to-bit function 4	35070	-	-	-	Boolean type	1	N/A	General user	In real time
U4-40	bit1 of the output of word-to-bit function 4	35071	-	-	-	Boolean type	1	N/A	General user	In real time
U4-41	bit2 of the output of word-to-bit function 4	35072	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-42	bit3 of the output of word-to-bit function 4	35073	-	-	-	Boolean type	1	N/A	General user	In real time

U4-43	bit4 of the output of word-to-bit function 4	35074	-	-	-	Boolean type	1	N/A	General user	In real time
U4-44	bit5 of the output of word-to-bit function 4	35075	-	-	-	Boolean type	1	N/A	General user	In real time
U4-45	bit6 of the output of word-to-bit function 4	35076	-	-	-	Boolean type	1	N/A	General user	In real time
U4-46	bit7 of the output of word-to-bit function 4	35077	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-47	bit8 of the output of word-to-bit function 4	35078	-	-	-	Boolean type	1	N/A	General user	In real time
U4-48	bit9 of the output of word-to-bit	35079	-	-	-	Boolean type	1	N/A	General user	In real time

	function 4									
U4-49	bit10 of the output of word-to-bit function 4	35080	-	-	-	Boolean type	1	N/A	General user	In real time
U4-50	bit11 of the output of word-to-bit function 4	35081	-	-	-	Boolean type	1	N/A	General user	In real time
U4-51	bit12 of the output of word-to-bit function 4	35082	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-52	bit13 of the output of word-to-bit function 4	35083	-	-	-	Boolean type	1	N/A	General user	In real time
U4-53	bit14 of the output of word-to-bit function 4	35084	-	-	-	Boolean type	1	N/A	General user	In real time
U4-54	bit15 of the	35085	-	-	-	Boolean type	1	N/A	General user	In real time

	output of word-to-bit function 4									
U4-55	<I/O module 1> DI1 input	35263	-	-	-	Boolean type	1	N/A	General user	In real time
U4-56	<I/O module 1> DI2 input	35264	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-57	<I/O module 1> DI3 input	35265	-	-	-	Boolean type	1	N/A	General user	In real time
U4-58	<I/O module 1> DI4 input	35266	-	-	-	Boolean type	1	N/A	General user	In real time
U4-59	<I/O module 1> DI5 input	35267	-	-	-	Boolean type	1	N/A	General user	In real time
U4-60	<I/O module 1> DI6 input	35268	-	-	-	Boolean type	1	N/A	General user	In real time
U4-61	<I/O module 1> DIO1 input	32946	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-62	<I/O module 1> DIO2	32947	-	-	-	Boolean type	1	N/A	General user	In real time

	input									
U4-63	<I/O module 1> DIO3 input	32948	-	-	-	Boolean type	1	N/A	General user	In real time
U4-64	<I/O module 1> DIO4 input	32949	-	-	-	Boolean type	1	N/A	General user	In real time
U4-65	<I/O module 1> DIO5 input	32950	-	-	-	Boolean type	1	N/A	General user	In real time
U4-66	<I/O module 1> DIO6 input	32951	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-67	<I/O module 2> DI1 input	35269	-	-	-	Boolean type	1	N/A	General user	In real time
U4-68	<I/O module 2> DI2 input	35270	-	-	-	Boolean type	1	N/A	General user	In real time
U4-69	<I/O module 2> DI3 input	35271	-	-	-	Boolean type	1	N/A	General user	In real time
U4-70	<I/O module 2> DI4 input	35272	-	-	-	Boolean type	1	N/A	General user	In real time
U4-71	<I/O module 2> DI5 input	35273	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

		address								
U4-72	<I/O module 2> DI6 input	35274	-	-	-	Boolean type	1	N/A	General user	In real time
U4-73	<I/O module 2> DIO1 input	32952	-	-	-	Boolean type	1	N/A	General user	In real time
U4-74	<I/O module 2> DIO2 input	32953	-	-	-	Boolean type	1	N/A	General user	In real time
U4-75	<I/O module 2> DIO3 input	32954	-	-	-	Boolean type	1	N/A	General user	In real time
U4-76	<I/O module 2> DIO4 input	32955	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-77	<I/O module 2> DIO5 input	32956	-	-	-	Boolean type	1	N/A	General user	In real time
U4-78	<I/O module 2> DIO6 input	32957	-	-	-	Boolean type	1	N/A	General user	In real time
U4-79	<I/O module 3> DI1 input	35275	-	-	-	Boolean type	1	N/A	General user	In real time
U4-80	<I/O module 3> DI2 input	35276	-	-	-	Boolean type	1	N/A	General user	In real time
U4-81	<I/O module	35277	-	-	-	Boolean type	1	N/A	General user	In real time

	3> DI3 input									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-82	<I/O module 3> DI4 input	35278	-	-	-	Boolean type	1	N/A	General user	In real time
U4-83	<I/O module 3> DI5 input	35279	-	-	-	Boolean type	1	N/A	General user	In real time
U4-84	<I/O module 3> DI6 input	35280	-	-	-	Boolean type	1	N/A	General user	In real time
U4-85	<I/O module 3> DIO1 input	32958	-	-	-	Boolean type	1	N/A	General user	In real time
U4-86	<I/O module 3> DIO2 input	32959	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-87	<I/O module 3> DIO3 input	32960	-	-	-	Boolean type	1	N/A	General user	In real time
U4-88	<I/O module 3> DIO4 input	32961	-	-	-	Boolean type	1	N/A	General user	In real time
U4-89	<I/O module 3> DIO5 input	32962	-	-	-	Boolean type	1	N/A	General user	In real time
U4-90	<I/O module	32963	-	-	-	Boolean type	1	N/A	General user	In real time

	3> DIO6 input									
U4-91	<I/O module 1> AI1 input disconnected	35281	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U4-92	<I/O module 1> AI2 input disconnected	35282	-	-	-	Boolean type	1	N/A	General user	In real time
U4-93	<I/O module 1> AI3 input disconnected	35283	-	-	-	Boolean type	1	N/A	General user	In real time
U4-94	<I/O module 2> AI1 input disconnected	35284	-	-	-	Boolean type	1	N/A	General user	In real time
U4-95	<I/O module 2> AI2 input disconnected	35285	-	-	-	Boolean type	1	N/A	General user	In real time
U4-96	<I/O module 2> AI3 input disconnected	35286	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communi	Range	Unit	Default	Data type	Accuracy	Change	User	Effective

		cation address						mode	authority	mode
U4-97	<I/O module 3> AI1 input disconnected	35287	-	-	-	Boolean type	1	N/A	General user	In real time
U4-98	<I/O module 3> AI2 input disconnected	35288	-	-	-	Boolean type	1	N/A	General user	In real time
U4-99	<I/O module 3> AI3 input disconnected	35289	-	-	-	Boolean type	1	N/A	General user	In real time

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Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-00	Current state machine	32768	-	-	-	UInt16	1	N/A	General user	In real time
U5-01	Soft start status	33935	-	-	-	UInt16	1	N/A	General user	In real time
U5-02	Bus voltage	33936	-	V	-	UInt16	0.1	N/A	General user	In real time
U5-03	Grid voltage	33929	-	V	-	UInt16	0.1	N/A	General user	In real time
U5-04	Grid frequency	33930	-	Hz	-	UInt16	0.01	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

U5-05	Grid current	33932	-	A	-	Int16	1	N/A	General user	In real time
U5-06	Power	33931	-	kVA	-	Int16	1	N/A	General user	In real time
U5-08	Three-phase imbalance degree	33934	-	%	-	UInt16	0.1	N/A	General user	In real time
U5-09	Maximum temperature of power unit	32776	-	℃	-	Int16	1	N/A	General user	In real time
U5-11	Detected module temperature	33397	-	℃	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-18	AI1 input proportion	33401	-	-	-	Int16	1	N/A	General user	In real time
U5-19	AI2 input proportion	33402	-	-	-	Int16	1	N/A	General user	In real time
U5-20	HDI1 input proportion	33403	-	-	-	Int16	1	N/A	General user	In real time
U5-21	HDI2 input proportion	33404	-	-	-	Int16	1	N/A	General user	In real time
U5-22	AO1 output proportion	33405	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-23	AO2	33406	-	-	-	Int16	1	N/A	General	In real

	output proportion								user	time
U5-24	HDO1 output proportion	33407	-	-	-	Int16	1	N/A	General user	In real time
U5-25	HDO2 output proportion	33408	-	-	-	Int16	1	N/A	General user	In real time
U5-32	PZD1 of InoLink	33409	-	-	-	UInt16	1	N/A	General user	In real time
U5-33	PZD2 of InoLink	33410	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-34	PZD3 of InoLink	33411	-	-	-	UInt16	1	N/A	General user	In real time
U5-35	PZD4 of InoLink	33412	-	-	-	UInt16	1	N/A	General user	In real time
U5-36	PZD5 of InoLink	33413	-	-	-	UInt16	1	N/A	General user	In real time
U5-37	PZD6 of InoLink	33414	-	-	-	UInt16	1	N/A	General user	In real time
U5-38	PZD7 of InoLink	33415	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-39	PZD8 of InoLink	33416	-	-	-	UInt16	1	N/A	General user	In real time
U5-40	Modbus communication setpoint 1	33449	-	-	-	UInt16	1	N/A	General user	In real time
U5-41	Modbus communication setpoint 2	33450	-	-	-	UInt16	1	N/A	General user	In real time

U5-44	PZD1 of fieldbus adapter A	33417	-	-	-	UInt16	1	N/A	General user	In real time
U5-45	PZD2 of fieldbus adapter A	33418	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-46	PZD3 of fieldbus adapter A	33419	-	-	-	UInt16	1	N/A	General user	In real time
U5-47	PZD4 of fieldbus adapter A	33420	-	-	-	UInt16	1	N/A	General user	In real time
U5-48	PZD5 of fieldbus adapter A	33421	-	-	-	UInt16	1	N/A	General user	In real time
U5-49	PZD6 of fieldbus adapter A	33422	-	-	-	UInt16	1	N/A	General user	In real time
U5-50	PZD7 of fieldbus adapter A	33423	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-51	PZD8 of fieldbus adapter A	33424	-	-	-	UInt16	1	N/A	General user	In real time
U5-52	PZD9 of fieldbus adapter A	33425	-	-	-	UInt16	1	N/A	General user	In real time
U5-53	PZD10 of fieldbus adapter A	33426	-	-	-	UInt16	1	N/A	General user	In real time
U5-54	PZD11 of fieldbus adapter A	33427	-	-	-	UInt16	1	N/A	General user	In real time
U5-55	PZD12 of fieldbus	33428	-	-	-	UInt16	1	N/A	General user	In real time

	adapter A									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-56	PZD13 of fieldbus adapter A	33429	-	-	-	UInt16	1	N/A	General user	In real time
U5-57	PZD14 of fieldbus adapter A	33430	-	-	-	UInt16	1	N/A	General user	In real time
U5-58	PZD15 of fieldbus adapter A	33431	-	-	-	UInt16	1	N/A	General user	In real time
U5-59	PZD16 of fieldbus adapter A	33432	-	-	-	UInt16	1	N/A	General user	In real time
U5-60	PZD1 of fieldbus adapter B	33433	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-61	PZD2 of fieldbus adapter B	33434	-	-	-	UInt16	1	N/A	General user	In real time
U5-62	PZD3 of fieldbus adapter B	33435	-	-	-	UInt16	1	N/A	General user	In real time
U5-63	PZD4 of fieldbus adapter B	33436	-	-	-	UInt16	1	N/A	General user	In real time
U5-64	PZD5 of fieldbus adapter B	33437	-	-	-	UInt16	1	N/A	General user	In real time
U5-65	PZD6 of fieldbus adapter B	33438	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-66	PZD7 of fieldbus	33439	-	-	-	UInt16	1	N/A	General	In real

	adapter B								user	time
U5-67	PZD8 of fieldbus adapter B	33440	-	-	-	UInt16	1	N/A	General user	In real time
U5-68	PZD9 of fieldbus adapter B	33441	-	-	-	UInt16	1	N/A	General user	In real time
U5-69	PZD10 of fieldbus adapter B	33442	-	-	-	UInt16	1	N/A	General user	In real time
U5-70	PZD11 of fieldbus adapter B	33443	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-71	PZD12 of fieldbus adapter B	33444	-	-	-	UInt16	1	N/A	General user	In real time
U5-72	PZD13 of fieldbus adapter B	33445	-	-	-	UInt16	1	N/A	General user	In real time
U5-73	PZD14 of fieldbus adapter B	33446	-	-	-	UInt16	1	N/A	General user	In real time
U5-74	PZD15 of fieldbus adapter B	33447	-	-	-	UInt16	1	N/A	General user	In real time
U5-75	PZD16 of fieldbus adapter B	33448	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-76	High word of the output of double word-to-word 1	33453	-	-	-	UInt16	1	N/A	General user	In real time

U5-77	Low word of the output of double word-to-word 1	33454	-	-	-	UInt16	1	N/A	General user	In real time
U5-78	High word of the output of double word-to-word 2	33455	-	-	-	UInt16	1	N/A	General user	In real time
U5-79	Low word of the output of double word-to-word 2	33456	-	-	-	UInt16	1	N/A	General user	In real time
U5-80	High word of the output of double word-to-word 3	33457	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-81	Low word of the output of double word-to-word 3	33458	-	-	-	UInt16	1	N/A	General user	In real time
U5-82	High word of the output of double word-to-word 4	33459	-	-	-	UInt16	1	N/A	General user	In real time

U5-83	Low word of the output of double word-to-word 4	33460	-	-	-	UInt16	1	N/A	General user	In real time
U5-84	High word of the output of double word-to-word 5	33461	-	-	-	UInt16	1	N/A	General user	In real time
U5-85	Low word of the output of double word-to-word 5	33462	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-86	Output of bit-to-word function 1	33463	-	-	-	UInt16	1	N/A	General user	In real time
U5-87	Output of bit-to-word function 2	33464	-	-	-	UInt16	1	N/A	General user	In real time
U5-88	Output of bit-to-word function 3	33465	-	-	-	UInt16	1	N/A	General user	In real time
U5-89	Output of bit-to-word function 4	33466	-	-	-	UInt16	1	N/A	General user	In real time

U5-91	<I/O module 1> AI1 input proportion	33467	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U5-92	<I/O module 1> AI2 input proportion	33470	-	-	-	Int16	1	N/A	General user	In real time
U5-93	<I/O module 1> AI3 input proportion	33473	-	-	-	Int16	1	N/A	General user	In real time
U5-94	<I/O module 2> AI1 input proportion	33468	-	-	-	Int16	1	N/A	General user	In real time
U5-95	<I/O module 2> AI2 input proportion	33471	-	-	-	Int16	1	N/A	General user	In real time
U5-96	<I/O module 2> AI3 input proportion	33474	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

U5-97	<I/O module 3> AI1 input proportion	33469	-	-	-	Int16	1	N/A	General user	In real time
U5-98	<I/O module 3> AI2 input proportion	33472	-	-	-	Int16	1	N/A	General user	In real time
U5-99	<I/O module 3> AI3 input proportion	33475	-	-	-	Int16	1	N/A	General user	In real time

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Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U6-00	Operation mode	34032	-	-	-	UInt16	1	N/A	General user	In real time
U6-05	Input current scaling	33979	-	%	-	Int16	0.01	N/A	General user	In real time
U6-11	Bus current (per-unit value)	34908	-	-	-	UInt16	1	N/A	General user	In real time
U6-59	R phase current	34655	-	-	-	Int16	1	N/A	General user	In real time
U6-60	S phase current	34656	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U6-61	T phase	34657	-	-	-	Int16	1	N/A	General	In real

	current								user	time
U6-68	RS line voltage	34664	-	-	-	Int16	1	N/A	General user	In real time
U6-69	ST line voltage	34665	-	-	-	Int16	1	N/A	General user	In real time
U6-70	TR line voltage	34666	-	-	-	Int16	1	N/A	General user	In real time

U7 Word connector 3

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U7-00	Fixed value 0%	33520	-	-	-	UInt16	1	N/A	General user	In real time
U7-01	Fixed value 100%	33521	-	-	-	UInt16	1	N/A	General user	In real time
U7-02	Fixed value 200%	33522	-	-	-	UInt16	1	N/A	General user	In real time
U7-03	Fixed value 400%	33523	-	-	-	UInt16	1	N/A	General user	In real time
U7-04	Fixed value 600%	33524	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U7-05	Fixed value - 100%	33525	-	-	-	Int16	1	N/A	General user	In real time
U7-06	Fixed value - 200%	33526	-	-	-	Int16	1	N/A	General user	In real time
U7-07	Fixed value - 400%	33527	-	-	-	Int16	1	N/A	General user	In real time
U7-08	Fixed	33528	-	-	-	Int16	1	N/A	General	In real

	value - 600%								user	time
U7-09	Module phase R temperature	33529	-	℃	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U7-10	Module phase S temperature	33530	-	℃	-	Int16	1	N/A	General user	In real time
U7-11	Module phase T temperature	33531	-	℃	-	Int16	1	N/A	General user	In real time
U7-12	Current state machine	33532	-	-	-	UInt16	1	N/A	General user	In real time
U7-13	Last state machine	33533	-	-	-	UInt16	1	N/A	General user	In real time
U7-14	Second-last state machine	33534	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U7-15	Third-last state machine	33535	-	-	-	UInt16	1	N/A	General user	In real time
U7-16	Fourth-last state machine	33536	-	-	-	UInt16	1	N/A	General user	In real time
U7-17	Fifth-last state machine	33537	-	-	-	UInt16	1	N/A	General user	In real time
U7-18	Sixth-last state machine	33538	-	-	-	UInt16	1	N/A	General user	In real time
U7-19	Seventh-last state	33539	-	-	-	UInt16	1	N/A	General	In real

	machine								user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U7-20	Eighth-last state machine	33540	-	-	-	UInt16	1	N/A	General user	In real time
U7-21	Ninth-last state machine	33541	-	-	-	UInt16	1	N/A	General user	In real time
U7-26	Model code of single inverter	33546	-	-	-	UInt16	1	N/A	General user	In real time
U7-27	Module that is processing model parameters	33547	-	-	-	UInt16	1	N/A	General user	In real time
U7-28	Model code of module 01	33548	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U7-29	Model code of module 02	33549	-	-	-	UInt16	1	N/A	General user	In real time
U7-30	Model code of module 03	33550	-	-	-	UInt16	1	N/A	General user	In real time
U7-31	Model code of module 04	33551	-	-	-	UInt16	1	N/A	General user	In real time
U7-32	Model code of module	33552	-	-	-	UInt16	1	N/A	General user	In real time

	05									
U7-33	Model code of module 06	33553	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U7-34	Model code of module 07	33554	-	-	-	UInt16	1	N/A	General user	In real time
U7-35	Model code of module 08	33555	-	-	-	UInt16	1	N/A	General user	In real time
U7-36	Model code of module 09	33556	-	-	-	UInt16	1	N/A	General user	In real time
U7-37	Model code of module 10	33557	-	-	-	UInt16	1	N/A	General user	In real time
U7-65	Value of parameter monitoring parameter 1	34816	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U7-66	Value of parameter monitoring parameter 2	34817	-	-	-	UInt16	1	N/A	General user	In real time
U7-67	Value of	34818	-	-	-	UInt16	1	N/A	General	In real

	parameter monitoring parameter 3								user	time
U7-68	Value of parameter monitoring parameter 4	34819	-	-	-	UInt16	1	N/A	General user	In real time
U7-69	Value of parameter monitoring parameter 5	34820	-	-	-	Int16	1	N/A	General user	In real time
U7-70	Value of parameter monitoring parameter 6	34821	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U7-71	Value of parameter monitoring parameter 7	34822	-	-	-	Int16	1	N/A	General user	In real time
U7-72	Value of parameter monitoring parameter	34823	-	-	-	Int16	1	N/A	General user	In real time

	r 8									
U7-73	Value of parameter monitoring parameter 9	34824	-	-	-	Int16	1	N/A	General user	In real time
U7-74	Value of parameter monitoring parameter 10	34825	-	-	-	Int16	1	N/A	General user	In real time
U7-85	Output of constant setpoint 1	33514	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U7-86	Output of constant setpoint 2	33515	-	-	-	Int16	1	N/A	General user	In real time
U7-87	Output of constant setpoint 3	33516	-	-	-	Int16	1	N/A	General user	In real time
U7-88	Output of constant setpoint 4	35316	-	-	-	Int16	1	N/A	General user	In real time
U7-89	Output of constant setpoint 5	35317	-	-	-	Int16	1	N/A	General user	In real time

U8 Word connector 4

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U8-03	Default start/stop	34052	-	-	-	UInt16	1	N/A	General user	In real time

	control word									
U8-04	Current fault	33571	-	-	-	UInt16	1	N/A	General user	In real time
U8-05	Active minor fault	33572	-	-	-	UInt16	1	N/A	General user	In real time
U8-06	Active alarm	33573	-	-	-	UInt16	1	N/A	General user	In real time
U8-07	Control word 1	33574	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U8-08	Control word 2	33575	-	-	-	UInt16	1	N/A	General user	In real time
U8-09	Status word 1	33576	-	-	-	UInt16	1	N/A	General user	In real time
U8-10	Status word 2	33577	-	-	-	UInt16	1	N/A	General user	In real time
U8-11	Terminal start/stop control word	33578	-	-	-	UInt16	1	N/A	General user	In real time
U8-12	SOP-20 start/stop control word	33579	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U8-13	PC start/stop control word	33580	-	-	-	UInt16	1	N/A	General user	In real time
U8-14	Custom start/stop control word	33581	-	-	-	UInt16	1	N/A	General user	In real time
U8-15	Status word 3	33981	-	-	-	UInt16	1	N/A	General user	In real time

U8-16	Status word 4	33982	-	-	-	UInt16	1	N/A	General user	In real time
U8-17	DI state	33584	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U8-18	DO state	33585	-	-	-	UInt16	1	N/A	General user	In real time
U8-19	DI status (raw value)	34894	-	-	-	UInt16	1	N/A	General user	In real time
U8-20	Custom fault word 1	34914	-	-	-	UInt16	1	N/A	General user	In real time
U8-21	Custom fault word 2	34915	-	-	-	UInt16	1	N/A	General user	In real time
U8-22	AI1 input value	33589	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U8-23	AI2 input value	33590	-	-	-	Int16	1	N/A	General user	In real time
U8-24	HDI1 input value	33591	-	-	-	UInt16	1	N/A	General user	In real time
U8-25	HDI2 input value	33592	-	-	-	UInt16	1	N/A	General user	In real time
U8-26	AO1 output value	33593	-	-	-	UInt16	1	N/A	General user	In real time
U8-27	AO2 output value	33594	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U8-28	HDO1	33595	-	-	-	UInt16	1	N/A	General	In real

	output value								user	time
U8-29	HDO2 output value	33596	-	-	-	UInt16	1	N/A	General user	In real time
U8-39	HINT status word 1 of single unit/General fault word 1 of paralleled units	33606	-	-	-	UInt16	1	N/A	General user	In real time
U8-40	HINT status word 2 of single unit/General fault word 2 of paralleled units	33607	-	-	-	UInt16	1	N/A	General user	In real time
U8-41	Number of communication errors of fieldbus adapter A	33608	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U8-42	Number of communication errors of fieldbus adapter B	33609	-	-	-	UInt16	1	N/A	General user	In real time
U8-43	Number of	33610	-	-	-	UInt16	1	N/A	General user	In real time

	communication errors of fieldbus adapter C									
U8-44	Parameter setting error code	33481	-	-	-	UInt16	1	N/A	General user	In real time
U8-47	24 V detection voltage at HCU control board terminal	34831	-	V	-	UInt16	0.001	N/A	General user	In real time
U8-48	15 V detection voltage inside HCU control board	34832	-	V	-	UInt16	0.001	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U8-71	Communication status of fieldbus adapter A	33611	-	-	-	UInt16	1	N/A	General user	In real time
U8-72	Communication status of fieldbus adapter B	33612	-	-	-	UInt16	1	N/A	General user	In real time
U8-73	Communication status of fieldbus adapter C	33613	-	-	-	UInt16	1	N/A	General user	In real time
U8-74	Status	33615	-	-	-	UInt16	1	N/A	General	In real

	word of FPGA main control running status control								user	time
U8-75	Fault word 1 of FPGA operation state control	33616	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U8-76	Fault word 2 of FPGA operation state control	33617	-	-	-	UInt16	1	N/A	General user	In real time
U8-77	Auxiliary status word of control unit FPGA	33621	-	-	-	UInt16	1	N/A	General user	In real time
U8-78	Low word of FPGA time	33619	-	-	-	UInt16	1	N/A	General user	In real time
U8-79	High word of FPGA time	33620	-	-	-	UInt16	1	N/A	General user	In real time
U8-80	Sub-code of current fault code	36303	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U8-81	Subcode of current	36304	-	-	-	UInt16	1	N/A	General user	In real time

	minor fault									
U8-82	Current alarm subcode	36305	-	-	-	UInt16	1	N/A	General user	In real time
U8-90	Monitoring variable 1	34696	-	-	-	Int16	1	N/A	General user	In real time
U8-91	Monitoring variable 2	34697	-	-	-	Int16	1	N/A	General user	In real time
U8-92	Monitoring variable 3	34698	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U8-93	Monitoring variable 4	34699	-	-	-	Int16	1	N/A	General user	In real time
U8-94	Monitoring variable 5	34700	-	-	-	Int16	1	N/A	General user	In real time
U8-95	Monitoring variable 6	34701	-	-	-	Int16	1	N/A	General user	In real time
U8-96	Monitoring variable 7	34702	-	-	-	Int16	1	N/A	General user	In real time
U8-97	Monitoring variable 8	34703	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U8-98	Monitoring variable 9	34704	-	-	-	Int16	1	N/A	General user	In real time
U8-99	Monitoring variable 10	34705	-	-	-	Int16	1	N/A	General user	In real time

U9 Double word connector 1

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-13	Output of word-to-double word 4	33776	-	-	-	Int32	1	N/A	General user	In real time
U9-14	Output of word-to-double word 5	33778	-	-	-	Int32	1	N/A	General user	In real time
U9-15	Output of digital selector module 13	33304	-	-	-	Int32	1	N/A	General user	In real time
U9-16	Output of digital selector module 14	33306	-	-	-	Int32	1	N/A	General user	In real time
U9-17	Output of digital selector module 15	33308	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-18	Output of digital selector module 16	33310	-	-	-	Int32	1	N/A	General user	In real time
U9-19	Output of limit module A	35086	-	-	-	Int32	1	N/A	General user	In real time
U9-20	Output of limit	35088	-	-	-	Int32	1	N/A	General user	In real time

	module B									
U9-21	Output of limit module C	35090	-	-	-	Int32	1	N/A	General user	In real time
U9-22	Output of limit module D	35092	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-25	Duration of power-on	33764	-	s	-	UInt32	1	N/A	General user	In real time
U9-26	Duration of operation	33766	-	s	-	UInt32	1	N/A	General user	In real time
U9-27	Accumulated duration of power-on	33768	-	s	-	UInt32	1	N/A	General user	In real time
U9-28	Accumulated duration of operation	33770	-	s	-	UInt32	1	N/A	General user	In real time
U9-29	Motor-driven potentiometer output	33658	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-30	Output corresponding to the selected multi-reference	33660	-	-	-	Int32	1	N/A	General user	In real time
U9-31	Multi-	33662	-	-	-	Int32	1	N/A	General	In real

	reference 1								user	time
U9-32	Multi-reference 2	33664	-	-	-	Int32	1	N/A	General user	In real time
U9-33	Multi-reference 3	33666	-	-	-	Int32	1	N/A	General user	In real time
U9-34	Multi-reference 4	33668	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-35	Multi-reference 5	33670	-	-	-	Int32	1	N/A	General user	In real time
U9-36	Multi-reference 6	33672	-	-	-	Int32	1	N/A	General user	In real time
U9-37	Multi-reference 7	33674	-	-	-	Int32	1	N/A	General user	In real time
U9-38	Multi-reference 8	33676	-	-	-	Int32	1	N/A	General user	In real time
U9-39	Multi-reference 9	33678	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-40	Multi-reference 10	33680	-	-	-	Int32	1	N/A	General user	In real time
U9-41	Multi-reference 11	33682	-	-	-	Int32	1	N/A	General user	In real time
U9-42	Multi-reference 12	33684	-	-	-	Int32	1	N/A	General user	In real time

U9-43	Multi-reference 13	33686	-	-	-	Int32	1	N/A	General user	In real time
U9-44	Multi-reference 14	33688	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-45	Multi-reference 15	33690	-	-	-	Int32	1	N/A	General user	In real time
U9-46	Multi-reference 16	33692	-	-	-	Int32	1	N/A	General user	In real time
U9-47	Output of word-to-double word 1	33694	-	-	-	Int32	1	N/A	General user	In real time
U9-48	Output of word-to-double word 2	33696	-	-	-	Int32	1	N/A	General user	In real time
U9-49	Output of word-to-double word 3	33698	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-50	Double word value set through Modbus communication	33700	-	-	-	UInt32	1	N/A	General user	In real time
U9-51	Output of constant setpoint 6	35318	-	-	-	Int32	1	N/A	General user	In real time
U9-52	Output of constant	35320	-	-	-	Int32	1	N/A	General user	In real time

	setpoint 7									
U9-53	Output of constant setpoint 8	35322	-	-	-	Int32	1	N/A	General user	In real time
U9-54	Output of constant setpoint 9	35324	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-55	Output of constant setpoint 10	35326	-	-	-	Int32	1	N/A	General user	In real time
U9-56	Output of digital selector module 1	33716	-	-	-	Int32	1	N/A	General user	In real time
U9-57	Output of digital selector module 2	33718	-	-	-	Int32	1	N/A	General user	In real time
U9-58	Output of digital selector module 3	34868	-	-	-	Int32	1	N/A	General user	In real time
U9-59	Output of digital selector module 4	34870	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-60	Output of digital selector module 5	35110	-	-	-	Int32	1	N/A	General user	In real time
U9-61	Output of digital selector module 6	35112	-	-	-	Int32	1	N/A	General user	In real time
U9-62	Output of	35114	-	-	-	Int32	1	N/A	General	In real

	digital selector module 7								user	time
U9-63	Output of digital selector module 8	35043	-	-	-	Int32	1	N/A	General user	In real time
U9-64	Output of digital selector module 9	33296	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-65	Output of digital selector module 10	33298	-	-	-	Int32	1	N/A	General user	In real time
U9-66	Output of digital selector module 11	33300	-	-	-	Int32	1	N/A	General user	In real time
U9-67	Output of digital selector module 12	33302	-	-	-	Int32	1	N/A	General user	In real time
U9-69	Output of filter module A	33720	-	-	-	Int32	1	N/A	General user	In real time
U9-70	Output of filter module B	33722	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-71	Output of filter module C	33724	-	-	-	Int32	1	N/A	General user	In real time
U9-72	Output of	33726	-	-	-	Int32	1	N/A	General	In real

	filter module D								user	time
U9-73	Output of absolute module A	33728	-	-	-	Int32	1	N/A	General user	In real time
U9-74	Output of absolute value module B	33730	-	-	-	Int32	1	N/A	General user	In real time
U9-75	Output of absolute value module C	33732	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-76	Output of absolute value module D	33734	-	-	-	Int32	1	N/A	General user	In real time
U9-77	Output of ADD/SUBTRACT module A	33736	-	-	-	Int32	1	N/A	General user	In real time
U9-78	Output of ADD/SUBTRACT module B	33738	-	-	-	Int32	1	N/A	General user	In real time
U9-79	Output of ADD/SUBTRACT module C	33740	-	-	-	Int32	1	N/A	General user	In real time
U9-80	Output of ADD/SUBTRACT module D	33742	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-81	Output of MULTIPLY/DIVIDE	33744	-	-	-	Int32	1	N/A	General user	In real time

	module A									
U9-82	Output of MULTIPLY /DIVIDE module B	33746	-	-	-	Int32	1	N/A	General user	In real time
U9-83	Output of MULTIPLY /DIVIDE module C	33748	-	-	-	Int32	1	N/A	General user	In real time
U9-84	Output of MULTIPLY /DIVIDE module D	33750	-	-	-	Int32	1	N/A	General user	In real time
U9-85	Output of multi-point curve module A	33752	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U9-86	Output of multi-point curve module B	33754	-	-	-	Int32	1	N/A	General user	In real time

U14 Bit connector 10

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U14-00	bit0 of the output of word-to-bit function 5	38407	-	-	-	Boolean type	1	N/A	General user	In real time
U14-01	bit1 of the	38408	-	-	-	Boolean type	1	N/A	General user	In real time

	output of word-to-bit function 5									
U14-02	bit2 of the output of word-to-bit function 5	38409	-	-	-	Boolean type	1	N/A	General user	In real time
U14-03	bit3 of the output of word-to-bit function 5	38410	-	-	-	Boolean type	1	N/A	General user	In real time
U14-04	bit4 of the output of word-to-bit function 5	38411	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U14-05	bit5 of the output of word-to-bit function 5	38412	-	-	-	Boolean type	1	N/A	General user	In real time
U14-06	bit6 of the output of word-to-bit function	38413	-	-	-	Boolean type	1	N/A	General user	In real time

	5									
U14-07	bit7 of the output of word-to-bit function 5	38414	-	-	-	Boolean type	1	N/A	General user	In real time
U14-08	bit8 of the output of word-to-bit function 5	38415	-	-	-	Boolean type	1	N/A	General user	In real time
U14-09	bit9 of the output of word-to-bit function 5	38416	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U14-10	bit10 of the output of word-to-bit function 5	38417	-	-	-	Boolean type	1	N/A	General user	In real time
U14-11	bit11 of the output of word-to-bit function 5	38418	-	-	-	Boolean type	1	N/A	General user	In real time
U14-12	bit12 of the output of	38419	-	-	-	Boolean type	1	N/A	General user	In real time

	word-to-bit function 5									
U14-13	bit13 of the output of word-to-bit function 5	38420	-	-	-	Boolean type	1	N/A	General user	In real time
U14-14	bit14 of the output of word-to-bit function 5	38421	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U14-15	bit15 of the output of word-to-bit function 5	38422	-	-	-	Boolean type	1	N/A	General user	In real time
U14-16	bit0 of the output of word-to-bit function 6	38423	-	-	-	Boolean type	1	N/A	General user	In real time
U14-17	bit1 of the output of word-to-bit function 6	38424	-	-	-	Boolean type	1	N/A	General user	In real time

U14-18	bit2 of the output of word-to-bit function 6	38425	-	-	-	Boolean type	1	N/A	General user	In real time
U14-19	bit3 of the output of word-to-bit function 6	38426	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U14-20	bit4 of the output of word-to-bit function 6	38427	-	-	-	Boolean type	1	N/A	General user	In real time
U14-21	bit5 of the output of word-to-bit function 6	38428	-	-	-	Boolean type	1	N/A	General user	In real time
U14-22	bit6 of the output of word-to-bit function 6	38429	-	-	-	Boolean type	1	N/A	General user	In real time
U14-23	bit7 of the output of word-to-bit	38430	-	-	-	Boolean type	1	N/A	General user	In real time

	function 6									
U14-24	bit8 of the output of word-to-bit function 6	38431	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U14-25	bit9 of the output of word-to-bit function 6	38432	-	-	-	Boolean type	1	N/A	General user	In real time
U14-26	bit10 of the output of word-to-bit function 6	38433	-	-	-	Boolean type	1	N/A	General user	In real time
U14-27	bit11 of the output of word-to-bit function 6	38434	-	-	-	Boolean type	1	N/A	General user	In real time
U14-28	bit12 of the output of word-to-bit function 6	38435	-	-	-	Boolean type	1	N/A	General user	In real time
U14-29	bit13 of the	38436	-	-	-	Boolean type	1	N/A	General user	In real time

	output of word-to-bit function 6									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U14-30	bit14 of the output of word-to-bit function 6	38437	-	-	-	Boolean type	1	N/A	General user	In real time
U14-31	bit15 of the output of word-to-bit function 6	38438	-	-	-	Boolean type	1	N/A	General user	In real time
U14-32	bit0 of the output of word-to-bit function 7	38439	-	-	-	Boolean type	1	N/A	General user	In real time
U14-33	bit1 of the output of word-to-bit function 7	38440	-	-	-	Boolean type	1	N/A	General user	In real time
U14-34	bit2 of the output of word-to-bit function	38441	-	-	-	Boolean type	1	N/A	General user	In real time

	7									
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U14-35	bit3 of the output of word-to-bit function 7	38442	-	-	-	Boolean type	1	N/A	General user	In real time
U14-36	bit4 of the output of word-to-bit function 7	38443	-	-	-	Boolean type	1	N/A	General user	In real time
U14-37	bit5 of the output of word-to-bit function 7	38444	-	-	-	Boolean type	1	N/A	General user	In real time
U14-38	bit6 of the output of word-to-bit function 7	38445	-	-	-	Boolean type	1	N/A	General user	In real time
U14-39	bit7 of the output of word-to-bit function 7	38446	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

U14-40	bit8 of the output of word-to-bit function 7	38447	-	-	-	Boolean type	1	N/A	General user	In real time
U14-41	bit9 of the output of word-to-bit function 7	38448	-	-	-	Boolean type	1	N/A	General user	In real time
U14-42	bit10 of the output of word-to-bit function 7	38449	-	-	-	Boolean type	1	N/A	General user	In real time
U14-43	bit11 of the output of word-to-bit function 7	38450	-	-	-	Boolean type	1	N/A	General user	In real time
U14-44	bit12 of the output of word-to-bit function 7	38451	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U14-45	bit13 of the output of word-to-bit	38452	-	-	-	Boolean type	1	N/A	General user	In real time

	function 7									
U14-46	bit14 of the output of word-to-bit function 7	38453	-	-	-	Boolean type	1	N/A	General user	In real time
U14-47	bit15 of the output of word-to-bit function 7	38454	-	-	-	Boolean type	1	N/A	General user	In real time
U14-48	bit0 of the output of word-to-bit function 8	38455	-	-	-	Boolean type	1	N/A	General user	In real time
U14-49	bit1 of the output of word-to-bit function 8	38456	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U14-50	bit2 of the output of word-to-bit function 8	38457	-	-	-	Boolean type	1	N/A	General user	In real time
U14-51	bit3 of the	38458	-	-	-	Boolean type	1	N/A	General user	In real time

	output of word-to-bit function 8									
U14-52	bit4 of the output of word-to-bit function 8	38459	-	-	-	Boolean type	1	N/A	General user	In real time
U14-53	bit5 of the output of word-to-bit function 8	38460	-	-	-	Boolean type	1	N/A	General user	In real time
U14-54	bit6 of the output of word-to-bit function 8	38461	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U14-55	bit7 of the output of word-to-bit function 8	38462	-	-	-	Boolean type	1	N/A	General user	In real time
U14-56	bit8 of the output of word-to-bit function	38463	-	-	-	Boolean type	1	N/A	General user	In real time

	8									
U14-57	bit9 of the output of word-to-bit function 8	38464	-	-	-	Boolean type	1	N/A	General user	In real time
U14-58	bit10 of the output of word-to-bit function 8	38465	-	-	-	Boolean type	1	N/A	General user	In real time
U14-59	bit11 of the output of word-to-bit function 8	38466	-	-	-	Boolean type	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U14-60	bit12 of the output of word-to-bit function 8	38467	-	-	-	Boolean type	1	N/A	General user	In real time
U14-61	bit13 of the output of word-to-bit function 8	38468	-	-	-	Boolean type	1	N/A	General user	In real time
U14-62	bit14 of the output of	38469	-	-	-	Boolean type	1	N/A	General user	In real time

	word-to-bit function 8									
U14-63	bit15 of the output of word-to-bit function 8	38470	-	-	-	Boolean type	1	N/A	General user	In real time

U15 Word connector 5

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U15-10	Output of proportion module 1	35293	-	-	-	Int16	1	N/A	General user	In real time
U15-11	Output of proportion module 2	35294	-	-	-	Int16	1	N/A	General user	In real time
U15-12	Output of proportion module 3	35295	-	-	-	Int16	1	N/A	General user	In real time
U15-13	Output of proportion module 4	35296	-	-	-	Int16	1	N/A	General user	In real time
U15-14	Output of proportion module 5	35297	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U15-15	Output of	35298	-	-	-	Int16	1	N/A	General	In real

	proportion module 6								user	time
U15-16	Output of proportion module 7	35299	-	-	-	Int16	1	N/A	General user	In real time
U15-17	Output of proportion module 8	35300	-	-	-	Int16	1	N/A	General user	In real time
U15-18	Output of proportion module 9	35301	-	-	-	Int16	1	N/A	General user	In real time
U15-19	Output of proportion module 10	35302	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U15-70	Output of constant setpoint 31	35305	-	-	-	Int16	1	N/A	General user	In real time
U15-71	Output of constant setpoint 32	35306	-	-	-	Int16	1	N/A	General user	In real time
U15-72	Output of constant setpoint 33	35307	-	-	-	Int16	1	N/A	General user	In real time
U15-73	Output of constant setpoint 34	35308	-	-	-	Int16	1	N/A	General user	In real time
U15-74	Output of constant setpoint 35	35309	-	-	-	Int16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U15-75	Output of constant setpoint 36	35310	-	-	-	Int16	1	N/A	General user	In real time
U15-76	Output of constant setpoint 37	35311	-	-	-	Int16	1	N/A	General user	In real time
U15-77	Output of constant setpoint 38	35312	-	-	-	Int16	1	N/A	General user	In real time
U15-78	Output of constant setpoint 39	35313	-	-	-	Int16	1	N/A	General user	In real time
U15-79	Output of constant setpoint 40	35314	-	-	-	Int16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U15-80	Output of constant setpoint 11	34986	-	-	-	UInt16	1	N/A	General user	In real time
U15-81	Output of constant setpoint 12	34987	-	-	-	UInt16	1	N/A	General user	In real time
U15-82	Output of constant setpoint 13	34988	-	-	-	UInt16	1	N/A	General user	In real time
U15-83	Output of constant setpoint 14	34989	-	-	-	UInt16	1	N/A	General user	In real time

U15-84	Output of constant setpoint 15	34990	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U15-85	Output of constant setpoint 16	34991	-	-	-	UInt16	1	N/A	General user	In real time
U15-86	Output of constant setpoint 17	34992	-	-	-	UInt16	1	N/A	General user	In real time
U15-87	Output of constant setpoint 18	34993	-	-	-	UInt16	1	N/A	General user	In real time
U15-88	Output of constant setpoint 19	34994	-	-	-	UInt16	1	N/A	General user	In real time
U15-89	Output of constant setpoint 20	34995	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U15-90	Output of constant setpoint 21	34996	-	-	-	Int16	1	N/A	General user	In real time
U15-91	Output of constant setpoint 22	34997	-	-	-	Int16	1	N/A	General user	In real time
U15-92	Output of constant setpoint 23	34998	-	-	-	Int16	1	N/A	General user	In real time

U15-93	Output of constant setpoint 24	34999	-	-	-	Int16	1	N/A	General user	In real time
U15-94	Output of constant setpoint 25	35000	-	-	-	Int16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U15-95	Output of constant setpoint 26	35001	-	-	-	Int16	1	N/A	General user	In real time
U15-96	Output of constant setpoint 27	35002	-	-	-	Int16	1	N/A	General user	In real time
U15-97	Output of constant setpoint 28	35003	-	-	-	Int16	1	N/A	General user	In real time
U15-98	Output of constant setpoint 29	35004	-	-	-	Int16	1	N/A	General user	In real time
U15-99	Output of constant setpoint 30	35005	-	-	-	Int16	1	N/A	General user	In real time

U17 Word connector 7

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U17-41	DI status of <fan detection	36811	-	-	-	UInt16	1	N/A	General user	In real time

	module 1>									
U17-42	DI status of <fan detection module 2>	36814	-	-	-	UInt16	1	N/A	General user	In real time
U17-43	DI status of <fan detection module 3>	36817	-	-	-	UInt16	1	N/A	General user	In real time
U17-44	DI status of <fan detection module 1> inverted	36170	-	-	-	UInt16	1	N/A	General user	In real time
U17-45	DI status of <fan detection module 2> inverted	36171	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U17-46	DI status of <fan detection module 3> inverted	36172	-	-	-	UInt16	1	N/A	General user	In real time
U17-47	DO status of <fan detection module 1>	36812	-	-	-	UInt16	1	N/A	General user	In real time
U17-48	DO status of <fan detection module	36815	-	-	-	UInt16	1	N/A	General user	In real time

	2>									
U17-49	DO status of <fan detection module 3>	36818	-	-	-	UInt16	1	N/A	General user	In real time
U17-67	Current fault code (code and sub-code)	36405	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U17-68	Current minor fault code (code and sub-code)	36406	-	-	-	UInt16	1	N/A	General user	In real time
U17-69	Current alarm code (code and sub-code)	36407	-	-	-	UInt16	1	N/A	General user	In real time
U17-70	Log monitoring variable 1	36364	-	-	-	UInt16	1	N/A	General user	In real time
U17-71	Log monitoring variable 2	36365	-	-	-	UInt16	1	N/A	General user	In real time
U17-72	Log monitoring variable 3	36366	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U17-73	Log monitoring variable 4	36367	-	-	-	UInt16	1	N/A	General user	In real time

U17-74	Log monitoring variable 5	36368	-	-	-	UInt16	1	N/A	General user	In real time
U17-75	Log monitoring variable 6	36369	-	-	-	UInt16	1	N/A	General user	In real time
U17-76	Log monitoring variable 7	36370	-	-	-	UInt16	1	N/A	General user	In real time
U17-77	Log monitoring variable 8	36371	-	-	-	UInt16	1	N/A	General user	In real time

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U17-78	Log monitoring variable 9	36372	-	-	-	UInt16	1	N/A	General user	In real time
U17-79	Log monitoring variable 10	36373	-	-	-	UInt16	1	N/A	General user	In real time

U18 Word connector 8

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U18-23	Custom start/stop control word of [channel 1]	35868	-	-	-	UInt16	1	N/A	General user	In real time
U18-24	Custom start/stop	35869	-	-	-	UInt16	1	N/A	General user	In real time

	control word of [channel 2]									
U18-25	Other control words of [channel 1].	35870	-	-	-	UInt16	1	N/A	General user	In real time
U18-26	Other control words of [channel 2].	35871	-	-	-	UInt16	1	N/A	General user	In real time
U18-27	Terminal start/stop control word of [module 1]	35872	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U18-28	Terminal start/stop control word of [module 2]	35873	-	-	-	UInt16	1	N/A	General user	In real time
U18-29	Start/Stop control word (function diagram) of SOP-20	35874	-	-	-	UInt16	1	N/A	General user	In real time
U18-30	Default start/stop control word (function diagram)	35875	-	-	-	UInt16	1	N/A	General user	In real time
U18-31	Start/Sto	35876	-	-	-	UInt16	1	N/A	General	In real

	p control word setpoint (function diagram)								user	time
U18-40	Slot selected by the bus of fieldbus adapter A	35885	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U18-41	Slot selected by the bus of fieldbus adapter B	35886	-	-	-	UInt16	1	N/A	General user	In real time

U19 Double word connector 2

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U19-95	Output of proportional module 11	34854	-	-	-	Int32	1	N/A	General user	In real time
U19-96	Output of proportional module 12	34856	-	-	-	Int32	1	N/A	General user	In real time
U19-97	Output of proportional module 13	34858	-	-	-	Int32	1	N/A	General user	In real time

U19-98	Output of proportional module 14	34860	-	-	-	Int32	1	N/A	General user	In real time
U19-99	Output of proportional module 15	34862	-	-	-	Int32	1	N/A	General user	In real time

U28 Word connector 12

Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U28-00	PZD17 of fieldbus adapter A	37134	-	-	-	UInt16	1	N/A	General user	In real time
U28-01	PZD18 of fieldbus adapter A	37135	-	-	-	UInt16	1	N/A	General user	In real time
U28-02	PZD19 of fieldbus adapter A	37136	-	-	-	UInt16	1	N/A	General user	In real time
U28-03	PZD20 of fieldbus adapter A	37137	-	-	-	UInt16	1	N/A	General user	In real time
U28-04	PZD21 of fieldbus adapter A	37138	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U28-05	PZD22 of fieldbus adapter A	37139	-	-	-	UInt16	1	N/A	General user	In real time
U28-06	PZD23 of fieldbus adapter A	37140	-	-	-	UInt16	1	N/A	General user	In real time
U28-07	PZD24 of	37141	-	-	-	UInt16	1	N/A	General	In real

	fieldbus adapter A								user	time
U28-08	PZD25 of fieldbus adapter A	37142	-	-	-	UInt16	1	N/A	General user	In real time
U28-09	PZD26 of fieldbus adapter A	37143	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U28-10	PZD27 of fieldbus adapter A	37144	-	-	-	UInt16	1	N/A	General user	In real time
U28-11	PZD28 of fieldbus adapter A	37145	-	-	-	UInt16	1	N/A	General user	In real time
U28-12	PZD29 of fieldbus adapter A	37146	-	-	-	UInt16	1	N/A	General user	In real time
U28-13	PZD30 of fieldbus adapter A	37147	-	-	-	UInt16	1	N/A	General user	In real time
U28-14	PZD31 of fieldbus adapter A	37148	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U28-15	PZD32 of fieldbus adapter A	37149	-	-	-	UInt16	1	N/A	General user	In real time
U28-16	PZD17 of fieldbus adapter B	37150	-	-	-	UInt16	1	N/A	General user	In real time
U28-17	PZD18 of fieldbus adapter B	37151	-	-	-	UInt16	1	N/A	General user	In real time
U28-18	PZD19 of fieldbus adapter B	37152	-	-	-	UInt16	1	N/A	General user	In real time

U28-19	PZD20 of fieldbus adapter B	37153	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U28-20	PZD21 of fieldbus adapter B	37154	-	-	-	UInt16	1	N/A	General user	In real time
U28-21	PZD22 of fieldbus adapter B	37155	-	-	-	UInt16	1	N/A	General user	In real time
U28-22	PZD23 of fieldbus adapter B	37156	-	-	-	UInt16	1	N/A	General user	In real time
U28-23	PZD24 of fieldbus adapter B	37157	-	-	-	UInt16	1	N/A	General user	In real time
U28-24	PZD25 of fieldbus adapter B	37158	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U28-25	PZD26 of fieldbus adapter B	37159	-	-	-	UInt16	1	N/A	General user	In real time
U28-26	PZD27 of fieldbus adapter B	37160	-	-	-	UInt16	1	N/A	General user	In real time
U28-27	PZD28 of fieldbus adapter B	37161	-	-	-	UInt16	1	N/A	General user	In real time
U28-28	PZD29 of fieldbus adapter B	37162	-	-	-	UInt16	1	N/A	General user	In real time
U28-29	PZD30 of fieldbus adapter B	37163	-	-	-	UInt16	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode

U28-30	PZD31 of fieldbus adapter B	37164	-	-	-	UInt16	1	N/A	General user	In real time
U28-31	PZD32 of fieldbus adapter B	37165	-	-	-	UInt16	1	N/A	General user	In real time

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Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U29-70	PZD1+2 data input (after base value conversion) of adapter A	36477	-	-	-	Int32	1	N/A	General user	In real time
U29-71	PZD2+3 input data (after base value conversion) of adapter A	36479	-	-	-	Int32	1	N/A	General user	In real time
U29-72	PZD3+4 input data (after base value conversion) of adapter A	36481	-	-	-	Int32	1	N/A	General user	In real time
U29-73	PZD4+5 data	36483	-	-	-	Int32	1	N/A	General user	In real time

	input (after base value conversion) of adapter A									
U29-74	PZD5+6 data input (after base value conversion) of adapter A	36485	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U29-75	PZD6+7 data input (after base value conversion) of adapter A	36487	-	-	-	Int32	1	N/A	General user	In real time
U29-76	PZD7+8 input data (after base value conversion) of adapter A	36489	-	-	-	Int32	1	N/A	General user	In real time
U29-77	PZD8+9 input data (after base value	36491	-	-	-	Int32	1	N/A	General user	In real time

	conversion) of adapter A									
U29-78	PZD9+10 input data (after base value conversion) of adapter A	36493	-	-	-	Int32	1	N/A	General user	In real time
U29-79	PZD10+11 input data (after base value conversion) of adapter A	36495	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U29-80	PZD11+12 input data (after base value conversion) of adapter A	36497	-	-	-	Int32	1	N/A	General user	In real time
U29-81	PZD12+13 input data (after base value conversion) of adapter A	36499	-	-	-	Int32	1	N/A	General user	In real time

U29-82	PZD13+14 input data (after base value conversion) of adapter A	36501	-	-	-	Int32	1	N/A	General user	In real time
U29-83	PZD14+15 input data (after base value conversion) of adapter A	36503	-	-	-	Int32	1	N/A	General user	In real time
U29-84	PZD15+16 input data (after base value conversion) of adapter A	36505	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U29-85	PZD1+2 data input (after base value conversion) of adapter B	36597	-	-	-	Int32	1	N/A	General user	In real time
U29-86	PZD2+3 input data (after	36599	-	-	-	Int32	1	N/A	General user	In real time

	base value conversion) of adapter B									
U29-87	PZD3+4 input data (after base value conversion) of adapter B	36601	-	-	-	Int32	1	N/A	General user	In real time
U29-88	PZD4+5 input data (after base value conversion) of adapter B	36603	-	-	-	Int32	1	N/A	General user	In real time
U29-89	PZD5+6 input data (after base value conversion) of adapter B	36605	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U29-90	PZD6+7 input data (after base value conversion) of	36607	-	-	-	Int32	1	N/A	General user	In real time

	adapter B									
U29-91	PZD7+8 input data (after base value conversion) of adapter B	36609	-	-	-	Int32	1	N/A	General user	In real time
U29-92	PZD8+9 input data (after base value conversion) of adapter B	36611	-	-	-	Int32	1	N/A	General user	In real time
U29-93	PZD9+10 input data (after base value conversion) of adapter B	36613	-	-	-	Int32	1	N/A	General user	In real time
U29-94	PZD10+11 input data (after base value conversion) of adapter B	36615	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U29-95	PZD11+12 input data	36617	-	-	-	Int32	1	N/A	General user	In real time

	(after base value conversion) of adapter B									
U29-96	PZD12+13 input data (after base value conversion) of adapter B	36619	-	-	-	Int32	1	N/A	General user	In real time
U29-97	PZD13+14 input data (after base value conversion) of adapter B	36621	-	-	-	Int32	1	N/A	General user	In real time
U29-98	PZD14+15 input data (after base value conversion) of adapter B	36623	-	-	-	Int32	1	N/A	General user	In real time
U29-99	PZD15+16 input data (after base value conversion) of adapter B	36625	-	-	-	Int32	1	N/A	General user	In real time

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Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U39-00	PZD17+18 data input (after base value conversion) of adapter A	36819	-	-	-	Int32	1	N/A	General user	In real time
U39-01	PZD18+19 input data (after base value conversion) of adapter A	36821	-	-	-	Int32	1	N/A	General user	In real time
U39-02	PZD19+20 input data (after base value conversion) of adapter A	36823	-	-	-	Int32	1	N/A	General user	In real time
U39-03	PZD20+21 input data (after base value conversion) of adapter A	36825	-	-	-	Int32	1	N/A	General user	In real time
U39-04	PZD21+22	36827	-	-	-	Int32	1	N/A	General	In real

	input data (after base value conversion) of adapter A								user	time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U39-05	PZD22+23 input data (after base value conversion) of adapter A	36829	-	-	-	Int32	1	N/A	General user	In real time
U39-06	PZD23+24 input data (after base value conversion) of adapter A	36831	-	-	-	Int32	1	N/A	General user	In real time
U39-07	PZD24+25 input data (after base value conversion) of adapter A	36833	-	-	-	Int32	1	N/A	General user	In real time
U39-08	PZD25+26 input data (after base	36835	-	-	-	Int32	1	N/A	General user	In real time

	value conversion) of adapter A									
U39-09	PZD26+27 input data (after base value conversion) of adapter A	36837	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U39-10	PZD27+28 input data (after base value conversion) of adapter A	36839	-	-	-	Int32	1	N/A	General user	In real time
U39-11	PZD28+29 input data (after base value conversion) of adapter A	36841	-	-	-	Int32	1	N/A	General user	In real time
U39-12	PZD29+30 input data (after base value conversion) of adapter A	36843	-	-	-	Int32	1	N/A	General user	In real time

U39-13	PZD30+31 input data (after base value conversion) of adapter A	36845	-	-	-	Int32	1	N/A	General user	In real time
U39-14	PZD31+32 input data (after base value conversion) of adapter A	36847	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U39-15	PZD17+18 data input (after base value conversion) of adapter B	37506	-	-	-	Int32	1	N/A	General user	In real time
U39-16	PZD18+19 data input (after base value conversion) of adapter B	37508	-	-	-	Int32	1	N/A	General user	In real time
U39-17	PZD19+20 data input (after	37510	-	-	-	Int32	1	N/A	General user	In real time

	base value conversion) of adapter B									
U39-18	PZD20+21 data input (after base value conversion) of adapter B	37512	-	-	-	Int32	1	N/A	General user	In real time
U39-19	PZD21+22 data input (after base value conversion) of adapter B	37514	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U39-20	PZD22+23 data input (after base value conversion) of adapter B	37516	-	-	-	Int32	1	N/A	General user	In real time
U39-21	PZD23+24 data input (after base value conversion) of	37518	-	-	-	Int32	1	N/A	General user	In real time

	adapter B									
U39-22	PZD24+25 input data (after base value conversion) of adapter B	37520	-	-	-	Int32	1	N/A	General user	In real time
U39-23	PZD25+26 data input (after base value conversion) of adapter B	37522	-	-	-	Int32	1	N/A	General user	In real time
U39-24	PZD26+27 data input (after base value conversion) of adapter B	37524	-	-	-	Int32	1	N/A	General user	In real time
Param.	Name	Communication address	Range	Unit	Default	Data type	Accuracy	Change mode	User authority	Effective mode
U39-25	PZD27+28 data input (after base value conversion) of adapter B	37526	-	-	-	Int32	1	N/A	General user	In real time
U39-26	PZD28+29 data input	37528	-	-	-	Int32	1	N/A	General user	In real time

	(after base value conversion) of adapter A									
U39-27	PZD29+30 data input (after base value conversion) of adapter B	37530	-	-	-	Int32	1	N/A	General user	In real time
U39-28	PZD30+31 data input (after base value conversion) of adapter B	37532	-	-	-	Int32	1	N/A	General user	In real time
U39-29	PZD31+32 data input (after base value conversion) of adapter B	37534	-	-	-	Int32	1	N/A	General user	In real time

2 Fault and Alarm List

<table>
<tr><th>Fault code</th><th>Fault name</th><th>Cause</th><th>Fault level</th><th>Default fault level</th><th>Reset method</th></tr>
<tr><td rowspan="6">1-2</td><td rowspan="6">15 V power supply error</td><td>If the HCU control system detects that the 15 V power supply voltage is lower than 10 V, a fault (1-2) will be reported.</td><td>0:分闸</td><td>0:分闸</td><td>下电重启</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
<tr><td>The 24 V control circuit power supply of HCU is abnormal.</td><td>Check whether the HCU control circuit voltage is within 24 V±10%.</td><td colspan="2">Check whether the HCU control circuit voltage is within 24 V±10%.</td></tr>
<tr><td>The 24 V output is short-circuited.</td><td>Check whether the 24 V output (J11 position on the HCU) is short-circuited.</td><td colspan="2">The 24 V (J11 position on HCU) output cannot be short-circuited.</td></tr>
<tr><td>The 15 V output on the SOP-20 is short-circuited.</td><td>Check whether the 15 V output of SOP-20 is short-circuited or replace SOP-20 to check whether the fault is rectified.</td><td colspan="2">Replace the cable or SOP-20.</td></tr>
<tr><td>Other fault causes lead to the fault.</td><td>Contact Inovance for technical support.</td><td colspan="2">Contact Inovance for technical support.</td></tr>
<tr><th>Fault code</th><th>Fault name</th><th>Cause</th><th>Fault level</th><th>Default fault level</th><th>Reset method</th></tr>
<tr><td rowspan="4">1-3</td><td rowspan="4">EEPROM error</td><td>The EEPROM error flag bit is set to 1.</td><td>0:分闸</td><td>0:分闸</td><td>下电重启</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
<tr><td>The EEPROM chip is damaged.</td><td>Contact Inovance for technical support.</td><td colspan="2">1. Replace the control board.
2. Contact Inovance for technical support.</td></tr>
<tr><td>The peripheral circuit of EEPROM is abnormal.</td><td>Contact Inovance for technical support.</td><td colspan="2">1. Replace the control board.
2. Contact Inovance for technical support.</td></tr>
<tr><th>Fault code</th><th>Fault name</th><th>Cause</th><th>Fault level</th><th>Default fault level</th><th>Reset method</th></tr>
</table>

1-4	Model download failure	Multiple attempts to download the model failed.	0:分闸	0:分闸	下电重启
		Cause	Check method	Solution	
		The HINT is faulty.	Contact Inovance for technical support.	Replace the HINT board.	
		Strong interference exists.	Contact Inovance for technical support.	Remove the interference source.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
1-5	HCU-FPGA software update failure	HCU-FPGA or SRAM error flag is set to 1.	0:分闸	0:分闸	下电重启
		Cause	Check method	Solution	
		The FPGA on HCU does not have software.	Check whether the FPGA software version on the HCU is correct through A2-16 (HCU-FPGA software version).	Reprogram the HCU-FPGA program.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	1. Replace the control board. 2. Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
1-6	HINT-FPGA software update failure	After the HINT-FPGA software is updated, initialization still fails after the preset time elapses.	0:分闸	0:分闸	下电重启
		Cause	Check method	Solution	
		The FPGA on HINT does not have software.	Check whether the FPGA software version on the HINT is correct through A2-19 (HINT software version).	Reprogram the HINT-FPGA program.	

		Other fault causes lead to the fault.	Contact Inovance for technical support.	1. Replace the HINT board. 2. Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
1-8	EEPROM parameter-read timeout	Reading parameters from EEPROM times out.	0:分闸	0:分闸	下电重启
		Cause	Check method	Solution	
		The EEPROM chip is damaged.	Contact Inovance for technical support.	1. Replace the control board. 2. Contact Inovance for technical support.	
		The peripheral circuit of EEPROM is abnormal.	Contact Inovance for technical support.	1. Replace the control board. 2. Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
1-9	EEPROM parameter saving timeout	The attempt to save parameters to EEPROM times out.	0:分闸	0:分闸	下电重启
		Cause	Check method	Solution	
		The EEPROM chip is damaged.	Contact Inovance for technical support.	1. Replace the control board. 2. Contact Inovance for technical support.	
		The peripheral circuit of EEPROM is abnormal.	Contact Inovance for technical support.	1. Replace the control board. 2. Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
2-3	Hardware overcurrent	A hardware-triggered overcurrent signal: The instantaneous current of a phase is greater than the hardware overcurrent threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		Grid voltage error 1. The grid input circuit is grounded or short-circuited. 2. The grid capacity is smaller than the capacity of the rectifier. 3. The grid fluctuates excessively.	1. Check whether the grid input circuit is normal. 2. Check whether the grid capacity is proper. 3. Check whether the grid fluctuation is normal. If not, improve the grid voltage stability.	1. Ensure that the grid input circuit is normal. 2. Ensure that the grid capacity is proper. 3. Improve the grid voltage stability. 4. Contact Inovance technical support.
		The DC bus is grounded or short-circuited.	Check the DC bus.	Change the DC bus.
		The Hall circuit is abnormal.	1. Check the wiring of the Hall device. 2. Check the power supply of the Hall device. 3. Check whether the Hall device operates properly.	1. Ensure that the Hall device is wired properly. 2. Ensure that the power supply of the Hall device is normal. 3. Ensure that the Hall device operates properly.
		Peripheral devices are faulty.	1. Check the fault history. If the current upon the fault is below the overcurrent threshold, check for interference sources. 2. Check whether the pre-charge circuit is normal.	1. Check the fault history. If the current upon the fault is below the overcurrent threshold, check for interference sources. 2. Ensure that the pre-charge circuit is normal.
		The current sampling DIP switch error occurs after PINT power board replacement.	Check whether the current sampling DIP switch of the power board is correct.	1. Use the PINT power board before replacement to set the DIP switch again. 2. Contact Inovance for technical support.
		The power rating of the drive is low.	Select a drive with proper power rating.	Select a drive with proper power rating.

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
2-6	Phase R hardware overcurrent	A hardware-triggered overcurrent signal is detected: The instantaneous current of phase R is greater than the hardware overcurrent threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Grid voltage error 1. The grid input circuit is grounded or short-circuited. 2. The grid capacity is smaller than the capacity of the rectifier. 3. The grid fluctuates excessively.	1. Check whether the grid input circuit is normal. 2. Check whether the grid capacity is proper. 3. Check whether the grid fluctuation is normal. If not, improve the grid voltage stability.	1. Ensure that the grid input circuit is normal. 2. Ensure that the grid capacity is proper. 3. Improve the grid voltage stability. 4. Contact Inovance for technical support.	
		The DC bus is grounded or short-circuited.	Check the DC bus.	Change the DC bus.	
		The Hall circuit is abnormal.	1. Check the wiring of the Hall device. 2. Check the power supply of the Hall device. 3. Check whether the Hall device operates properly.	1. Ensure that the Hall device is wired properly. 2. Ensure that the power supply of the Hall device is normal. 3. Ensure that the Hall device operates properly.	

		Peripheral devices are faulty.	1. Check the fault history. If the current upon the fault is below the overcurrent threshold, check for interference sources. 2. Check whether the pre-charge circuit is normal.	1. Check the fault history. If the current upon the fault is below the overcurrent threshold, check for interference sources. 2. Ensure that the pre-charge circuit is normal.	
		The current sampling DIP switch error occurs after PINT power board replacement.	Check whether the current sampling DIP switch of the power board is correct.	1. Use the PINT power board before replacement to set the DIP switch again. 2. Contact Inovance for technical support.	
		The power rating of the drive is low.	Select a drive with proper power rating.	Select a drive with proper power rating.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
2-7	Phase S hardware overcurrent	A hardware-triggered overcurrent signal is detected: The instantaneous current of phase S is greater than the hardware overcurrent threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		Grid voltage error 1. The grid input circuit is grounded or short-circuited. 2. The grid capacity is smaller than the capacity of the rectifier. 3. The grid fluctuates excessively.	1. Check whether the grid input circuit is normal. 2. Check whether the grid capacity is proper. 3. Check whether the grid fluctuation is normal. If not, improve the grid voltage stability.	1. Ensure that the grid input circuit is normal. 2. Ensure that the grid capacity is proper. 3. Improve the grid voltage stability. 4. Contact Inovance for technical support.
		The DC bus is grounded or short-circuited.	Check the DC bus.	Change the DC bus.
		The Hall circuit is abnormal.	1. Check the wiring of the Hall device. 2. Check the power supply of the Hall device. 3. Check whether the Hall device operates properly.	1. Ensure that the Hall device is wired properly. 2. Ensure that the power supply of the Hall device is normal. 3. Ensure that the Hall device operates properly.
		Peripheral devices are faulty.	1. Check the fault history. If the current upon the fault is below the overcurrent threshold, check for interference sources. 2. Check whether the pre-charge circuit is normal.	1. Check the fault history. If the current upon the fault is below the overcurrent threshold, check for interference sources. 2. Ensure that the pre-charge circuit is normal.
		The current sampling DIP switch error occurs after PINT power board replacement.	Check whether the current sampling DIP switch of the power board is correct.	1. Use the PINT power board before replacement to set the DIP switch again. 2. Contact Inovance for technical support.
		The power rating of the drive is low.	Select a drive with proper power rating.	Select a drive with proper power rating.

<table>
<tr><td></td><td></td><td>Other fault causes lead to the fault.</td><td>Contact Inovance for technical support.</td><td colspan="2">Contact Inovance for technical support.</td></tr>
<tr><td>Fault code</td><td>Fault name</td><td>Cause</td><td>Fault level</td><td>Default fault level</td><td>Reset method</td></tr>
<tr><td rowspan="6">2-8</td><td rowspan="6">Phase T hardware overcurrent</td><td>A hardware-triggered overcurrent signal is detected: The instantaneous current of phase T is greater than the hardware overcurrent threshold.</td><td>0:分闸</td><td>0:分闸</td><td>手动复位</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
<tr><td>Grid voltage error
1. The grid input circuit is grounded or short-circuited.
2. The grid capacity is smaller than the capacity of the rectifier.
3. The grid fluctuates excessively.</td><td>1. Check whether the grid input circuit is normal.
2. Check whether the grid capacity is proper.
3. Check whether the grid fluctuation is normal. If not, improve the grid voltage stability.</td><td colspan="2">1. Ensure that the grid input circuit is normal.
2. Ensure that the grid capacity is proper.
3. Improve the grid voltage stability.
4. Contact Inovance for technical support.</td></tr>
<tr><td>The DC bus is grounded or short-circuited.</td><td>Check the DC bus.</td><td colspan="2">Change the DC bus.</td></tr>
<tr><td>The Hall circuit is abnormal.</td><td>1. Check the wiring of the Hall device.
2. Check the power supply of the Hall device.
3. Check whether the Hall device operates properly.</td><td colspan="2">1. Ensure that the Hall device is wired properly.
2. Ensure that the power supply of the Hall device is normal.
3. Ensure that the Hall device operates properly.</td></tr>
</table>

		Peripheral devices are faulty.	1. Check the fault history. If the current upon the fault is below the overcurrent threshold, check for interference sources. 2. Check whether the pre-charge circuit is normal.	1. Check the fault history. If the current upon the fault is below the overcurrent threshold, check for interference sources. 2. Ensure that the pre-charge circuit is normal.	
		The current sampling DIP switch error occurs after PINT power board replacement.	Check whether the current sampling DIP switch of the power board is correct.	1. Use the PINT power board before replacement to set the DIP switch again. 2. Contact Inovance for technical support.	
		The power rating of the drive is low.	Select a drive with proper power rating.	Select a drive with proper power rating.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
10-1	Drive overload	The heat accumulated by the device is triggered when the load rate of the device reaches 100%.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The load is too heavy.	Check whether the load is too heavy.	1. Reduce the load. 2. Select the drive with a proper power rating. 3. Contact Inovance for technical support.	
		The grid input voltage is excessively low.	Check whether the grid voltage is normal.	1. Increase the grid voltage. 2. Reduce the load.	

		Current detection circuit is abnormal.	1. Check whether the current displayed by the drive is consistent with the actual current. 2. Check whether the DIP switch of the PINT power board is set properly. 3. Check that the Hall device is normal.	1. Ensure that the current displayed by the drive is consistent with the actual current. 2. Ensure that the DIP switch of the PINT power board is set properly. 3. Ensure that the Hall device is normal. 4. Contact Inovance for technical support.
		Current imbalance 1. The three-phase current is unbalanced. 2. The current between modules in the parallel mode is unbalanced.	1. When the three-phase balance degree (U6-53) is lower than 95%, check whether the three-phase input impedance is consistent (the length/cross sectional area of the input cable is consistent). 2. When the current balance degree between modules (U6-84) is lower than 95%, check whether the grid voltage and incoming impedance are consistent. 3. Derate the module during use. 4. Contact Inovance for technical support.	1. When the three-phase balance degree (U6-53) is lower than 95%, ensure that the three-phase input impedance is consistent (whether the length/cross sectional area of the input cable is consistent). 2. When the current balance degree between modules (U6-84) is lower than 95%, ensure that the grid voltage and incoming impedance are consistent. 3. Derate the module during use. 4. Contact Inovance for technical support.

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
14-1	Phase R phase module overtemperature	The phase R detection temperature (U7-09) of the module is higher than the overtemperature threshold (overtemperature threshold is model-related).	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The ambient temperature is high.	Check whether the ambient temperature is too high.	Reduce the ambient temperature to ensure that the air inlet temperature does not exceed 40°C.	
		The load is too heavy.	Check whether the load is too heavy.	Reduce the load.	
		The air duct is blocked.	Check whether the air duct is blocked.	Clean the air duct.	
		The fan is operating improperly. 1. The fan stops running or the speed is low. 2. The power supply board of the fan is abnormal.	1. Check whether the fan is damaged. 2. Check whether the power supply board of the fan is damaged.	1. Replace the damaged fan. 2. Replace the power supply board of the fan.	
		The thermistor of the module is abnormal.	Contact Inovance for technical support.	Contact Inovance for technical support.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

<table>
<tr><td rowspan="7">14-2</td><td rowspan="7">Phase S module overtemperature</td><td>The detected phase S temperature (U7-10) is higher than the overtemperature threshold (the overtemperature threshold is model-related).</td><td>0:分闸</td><td>0:分闸</td><td>手动复位</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
<tr><td>The ambient temperature is high.</td><td>Check whether the ambient temperature is too high.</td><td colspan="2">Reduce the ambient temperature to ensure that the air inlet temperature does not exceed 40°C.</td></tr>
<tr><td>The load is too heavy.</td><td>Check whether the load is too heavy.</td><td colspan="2">Reduce the load.</td></tr>
<tr><td>The air duct is blocked.</td><td>Check whether the air duct is blocked.</td><td colspan="2">Clean the air duct.</td></tr>
<tr><td>The fan is operating improperly.
1. The fan stops running or the speed is low.
2. The power supply board of the fan is abnormal.</td><td>1. Check whether the fan is damaged.
2. Check whether the power supply board of the fan is damaged.</td><td colspan="2">1. Replace the damaged fan.
2. Replace the power supply board of the fan.</td></tr>
<tr><td>The thermistor of the module is abnormal.</td><td>Contact Inovance for technical support.</td><td colspan="2">Contact Inovance for technical support.</td></tr>
<tr><td>Other fault causes lead to the fault.</td><td>Contact Inovance for technical support.</td><td colspan="2">Contact Inovance for technical support.</td></tr>
<tr><td>Fault code</td><td>Fault name</td><td>Cause</td><td>Fault level</td><td>Default fault level</td><td>Reset method</td></tr>
<tr><td>14-3</td><td>Phase T module overtemperature</td><td>The detected phase T temperature (U7-11) is higher than the overtemperature threshold (overtemperature threshold is model-related).</td><td>0:分闸</td><td>0:分闸</td><td>手动复位</td></tr>
</table>

		Cause	Check method	Solution	
		The ambient temperature is high.	Check whether the ambient temperature is too high.	Reduce the ambient temperature to ensure that the air inlet temperature does not exceed 40°C.	
		The load is too heavy.	Check whether the load is too heavy.	Reduce the load.	
		The air duct is blocked.	Check whether the air duct is blocked.	Clean the air duct.	
		The fan is operating improperly. 1. The fan stops running or the speed is low. 2. The power supply board of the fan is abnormal.	1. Check whether the fan is damaged. 2. Check whether the power supply board of the fan is damaged.	1. Replace the damaged fan. 2. Replace the power supply board of the fan.	
		The thermistor of the module is abnormal.	Contact Inovance for technical support.	Contact Inovance for technical support.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
15-1	External fault 1	The fault 15-1 (External fault 1) is triggered when the external fault 1 source (H0-00) is set to 1.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The source for external fault 1 (H0-00) is active.	Check whether the external fault 1 source (H0-00) is active.	Ensure that the source for external fault 1 (H0-00) is inactive.	
		The source of external fault 1 (H0-00) is set improperly.	Check whether the source of external fault 1 (H0-00) is set improperly.	The source of external fault 1 (H0-00) is set properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

15-2	External fault 2	The fault 15-2 (External fault 2) is triggered when H0-01 (Source of external fault 2) is set to 1.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The source for external fault 2 (H0-01) is active.	Check whether the source for external fault 2 (H0-01) is active.	Ensure that the source for external fault 2 (H0-01) is inactive.	
		The source of external fault 2 (H0-01) is set improperly.	Check whether the source of external fault 2 (H0-01) is set improperly.	The source of external fault 2 (H0-01) is set properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-1	Custom fault 1	When the source of custom fault 1 (H11-00) is set to 1, fault 27-1 (Custom fault 1) is triggered.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The source of custom fault 1 (H11-00) is active.	Check whether the source of custom fault 1 (H11-00) is active.	Ensure that the source of custom fault 1 (H11-00) is inactive.	
		The source of custom fault 1 (H11-00) is set improperly.	1. Check whether the source of custom fault 1 (H11-00) is set to 0. 2. Check whether the source of custom fault 1 (H11-00) is set correctly.	Set H11-00 (Source of custom fault 1) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-2	Custom fault 2	When the source of custom fault 2 (H11-01) is set to 1, the fault 27-2 (Custom fault 2) is triggered.	0:分闸	0:分闸	手动复位

		Cause	Check method	Solution	
		The source of custom fault 2 (H11-01) is active.	Check whether the source of custom fault 2 (H11-01) is active.	Ensure that the source of custom fault 2 (H11-01) is inactive.	
		The source of custom fault 2 (H11-01) is set improperly.	1. Check whether the source of custom fault 2 (H11-01) is set to 0. 2. Check whether the source of custom fault 2 (H11-01) is set correctly.	Set H11-01 (Source of custom fault 2) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-3	Custom fault 3	When the source of custom fault 3 (H11-02) is set to 1, the fault 27-3 (Custom fault 3) is triggered.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The source of custom fault 3 (H11-02) is active.	Check whether the source of custom fault 3 (H11-02) is active.	Ensure that the source of custom fault 3 (H11-02) is inactive.	
		The source of custom fault 3 (H11-02) is set improperly.	1. Check whether the source of custom fault 3 (H11-02) is set to 0. 2. Check whether the source of custom fault 3 (H11-02) is set correctly.	Set H11-02 (Source of custom fault 3) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-4	Custom fault 4	When the source of custom fault 4 (H11-03) is set to 1, the fault 27-4 (Custom fault 4) is triggered.	0:分闸	0:分闸	手动复位

		Cause	Check method	Solution	
		The source of custom fault 4 (H11-03) is active.	Check whether the source of custom fault 4 (H11-03) is active.	Ensure that the source of custom fault 4 (H11-03) is inactive.	
		The source of custom fault 4 (H11-03) is set improperly.	1. Check whether the source of custom fault 4 (H11-03) is set to 0. 2. Check whether the source of custom fault 4 (H11-03) is set correctly.	Set H11-03 (Source of custom fault 4) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-5	Custom fault 5	When the source of custom fault 5 (H11-04) is set to 1, the fault 27-5 (Custom fault 5) is triggered.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The source of custom fault 5 (H11-04) is active.	Check whether the source of custom fault 5 (H11-04) is active.	Ensure that the source of custom fault 5 (H11-04) is inactive.	
		The source of custom fault 5 (H11-04) is set improperly.	1. Check whether the source of custom fault 5 (H11-04) is set to 0. 2. Check whether the source of custom fault 5 (H11-04) is set correctly.	Set H11-04 (Source of custom fault 5) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-6	Custom fault 6	When the source of custom fault 6 (H11-05) is set to 1, the fault 27-6 (Custom fault 6) is triggered.	0:分闸	0:分闸	手动复位

		Cause	Check method	Solution	
		The source of custom fault 6 (H11-05) is active.	Check whether the source of custom fault 6 (H11-05) is active.	Ensure that the source of custom fault 6 (H11-05) is inactive.	
		The source of custom fault 6 (H11-05) is set improperly.	1. Check whether the source of custom fault 6 (H11-05) is set to 0. 2. Check whether the source of custom fault 6 (H11-05) is set correctly.	Set H11-05 (Source of custom fault 6) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-7	Custom fault 7	When the source of custom fault 7 (H11-06) is set to 1, the fault 27-7 (Custom fault 7) is triggered.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The source of custom fault 7 (H11-06) is active.	Check whether the source of custom fault 7 (H11-06) is active.	Ensure that the source of custom fault 7 (H11-06) is inactive.	
		The source of custom fault 7 (H11-06) is set improperly.	1. Check whether the source of custom fault 7 (H11-06) is set to 0. 2. Check whether the source of custom fault 7 (H11-06) is set correctly.	Set H11-06 (Source of custom fault 7) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-8	Custom fault 8	When the source of custom fault 8 (H11-07) is set to 1, the fault 27-8 (Custom fault 8) is triggered.	0:分闸	0:分闸	手动复位

		Cause	Check method	Solution	
		The source of custom fault 8 (H11-07) is active.	Check whether the source of custom fault 8 (H11-07) is active.	Ensure that the source of custom fault 8 (H11-07) is inactive.	
		The source of custom fault 8 (H11-07) is set improperly.	1. Check whether the source of custom fault 8 (H11-07) is set to 0. 2. Check whether the source of custom fault 8 (H11-07) is set correctly.	Set H11-07 (Source of custom fault 8) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-9	Custom fault 9	When the source of custom fault 9 (H11-08) is set to 1, the fault 27-9 (Custom fault 9) is triggered.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The source of custom fault 9 (H11-08) is active.	Check whether the source of custom fault 9 (H11-08) is active.	Ensure that the source of custom fault 9 (H11-08) is inactive.	
		The source of custom fault 9 (H11-08) is set improperly.	1. Check whether the source of custom fault 9 (H11-08) is set to 0. 2. Check whether the source of custom fault 9 (H11-08) is set correctly.	Set H11-08 (Source of custom fault 9) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-10	Custom fault 10	When the source of custom fault 10 (H11-09) is set to 1, the fault 27-10 (Custom fault 10) is triggered.	0:分闸	0:分闸	手动复位

		Cause	Check method	Solution	
		The source of custom fault 10 (H11-09) is active.	Check whether the source of custom fault 10 (H11-09) is active.	Ensure that the source of custom fault 10 (H11-09) is inactive.	
		The source of custom fault 10 (H11-09) is set improperly.	1. Check whether the source of custom fault 10 (H11-09) is set to 0. 2. Check whether the source of custom fault 10 (H11-09) is set correctly.	Set H11-09 (Source of custom fault 10) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-11	Custom fault 11	When the source of custom fault 11 (H11-10) is set to 1, the fault 27-11 (Custom fault 11) is triggered.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The source of custom fault 11 (H11-10) is active.	Check whether the source of custom fault 11 (H11-10) is active.	Ensure that the source of custom fault 11 (H11-10) is inactive.	
		The source of custom fault 11 (H11-10) is set improperly.	1. Check whether the source of custom fault 11 (H11-10) is set to 0. 2. Check whether the source of custom fault 11 (H11-10) is set correctly.	Set H11-10 (Source of custom fault 11) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-12	Custom fault 12	When the source of custom fault 12 (H11-11) is set to 1, the fault 27-12 (Custom fault 12) is triggered.	0:分闸	0:分闸	手动复位

		Cause	Check method	Solution	
		The source of custom fault 12 (H11-11) is active.	Check whether the source of custom fault 12 (H11-11) is active.	Ensure that the source of custom fault 12 (H11-11) is inactive.	
		The source of custom fault 12 (H11-11) is set improperly.	1. Check whether the source of custom fault 12 (H11-11) is set to 0. 2. Check whether the source of custom fault 12 (H11-11) is set correctly.	Set H11-11 (Source of custom fault 12) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-13	Custom fault 13	When the source of custom fault 13 (H11-12) is set to 1, the fault 27-13 (Custom fault 13) is triggered.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The source of custom fault 13 (H11-12) is active.	Check whether the source of custom fault 13 (H11-12) is active.	Ensure that the source of custom fault 13 (H11-12) is inactive.	
		The source of custom fault 13 (H11-12) is set improperly.	1. Check whether the source of custom fault 13 (H11-12) is set to 0. 2. Check whether the source of custom fault 13 (H11-12) is set correctly.	Set H11-12 (Source of custom fault 13) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-14	Custom fault 14	When the source of custom fault 14 (H11-13) is set to 1, the fault 27-14 (Custom fault 14) is triggered.	0:分闸	0:分闸	手动复位

		Cause	Check method	Solution	
		The source of custom fault 14 (H11-13) is active.	Check whether the source of custom fault 14 (H11-13) is active.	Ensure that the source of custom fault 14 (H11-13) is inactive.	
		The source of custom fault 14 (H11-13) is set improperly.	1. Check whether the source of custom fault 14 (H11-13) is set to 0. 2. Check whether the source of custom fault 14 (H11-13) is set correctly.	Set H11-13 (Source of custom fault 14) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-15	Custom fault 15	When the source of custom fault 15 (H11-14) is set to 1, the fault 27-15 (Custom fault 15) is triggered.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The source of custom fault 15 (H11-14) is active.	Check whether the source of custom fault 15 (H11-14) is active.	Ensure that the source of custom fault 15 (H11-14) is inactive.	
		The source of custom fault 15 (H11-14) is set improperly.	1. Check whether the source of custom fault 15 (H11-14) is set to 0. 2. Check whether the source of custom fault 15 (H11-14) is set correctly.	Set H11-14 (Source of custom fault 15) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
27-16	Custom fault 16	When the source of custom fault 16 (H11-15) is set to 1, the fault 27-16 (Custom fault 16) is triggered.	0:分闸	0:分闸	手动复位

		Cause	Check method	Solution	
		The source of custom fault 16 (H11-15) is active.	Check whether the source of custom fault 16 (H11-15) is active.	Ensure that the source of custom fault 16 (H11-15) is inactive.	
		The source of custom fault 16 (H11-15) is set improperly.	1. Check whether the source of custom fault 16 (H11-15) is set to 0. 2. Check whether the source of custom fault 16 (H11-15) is set correctly.	Set H11-15 (Source of custom fault 16) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-1	Custom alarm 1	When the source of custom alarm 1 (H11-16) is set to 1, the fault 28-1 (Custom alarm 1) is triggered.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The source of custom alarm 1 (H11-16) is active.	Check whether the source of custom alarm 1 (H11-16) is active.	Ensure that the source of custom alarm 1 (H11-16) is inactive.	
		The source of custom alarm 1 (H11-16) is set improperly.	1. Check whether the source of custom alarm 1 (H11-16) is set to 0. 2. Check whether the source of custom alarm 1 (H11-16) is set properly.	Set the source of custom alarm 1 (H11-16) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-2	Custom alarm 2	When the source of custom alarm 2 (H11-17) is set to 1, the fault 28-2 (Custom alarm 2) is triggered.	6:仅显示警告	6:仅显示警告	自动复位

		Cause	Check method	Solution	
		The source of custom alarm 2 (H11-17) is active.	Check whether the source of custom alarm 2 (H11-17) is active.	Ensure that the source of custom alarm 2 (H11-17) is inactive.	
		The source of custom alarm 2 (H11-17) is set improperly.	1. Check whether the source of custom alarm 2 (H11-17) is set to 0. 2. Check whether the source of custom alarm 2 (H11-17) is set properly.	Set the source of custom alarm 2 (H11-17) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-3	Custom alarm 3	When the source of custom alarm 3 (H11-18) is set to 1, the fault 27-3 (Custom alarm 3) is triggered.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The source of custom alarm 3 (H11-18) is active.	Check whether the source of custom alarm 3 (H11-18) is active.	Ensure that the source of custom alarm 3 (H11-18) is inactive.	
		The source of custom alarm 3 (H11-18) is set improperly.	1. Check whether the source of custom alarm 3 (H11-18) is set to 0. 2. Check whether the source of custom alarm 3 (H11-18) is set properly.	Set the source of custom alarm 3 (H11-18) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-4	Custom alarm 4	When the source of custom alarm 4 (H11-19) is set to 1, the fault 27-4 (Custom alarm 4) is triggered.	6:仅显示警告	6:仅显示警告	自动复位

		Cause	Check method	Solution	
		The source of custom alarm 4 (H11-19) is active.	Check whether the source of custom alarm 4 (H11-19) is active.	Ensure that the source of custom alarm 4 (H11-19) is inactive.	
		The source of custom alarm 4 (H11-19) is set improperly.	1. Check whether the source of custom alarm 4 (H11-19) is set to 0. 2. Check whether the source of custom alarm 4 (H11-19) is set properly.	Set the source of custom alarm 4 (H11-19) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-5	Custom alarm 5	When the source of custom alarm 5 (H11-20) is set to 1, the fault 27-5 (Custom alarm 5) is triggered.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The source of custom alarm 5 (H11-20) is active.	Check whether the source of custom alarm 5 (H11-20) is active.	Ensure that the source of custom alarm 5 (H11-20) is inactive.	
		The source of custom alarm 5 (H11-20) is set improperly.	1. Check whether the source of custom alarm 5 (H11-20) is set to 0. 2. Check whether the source of custom alarm 5 (H11-20) is set properly.	Set the source of custom alarm 5 (H11-20) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-6	Custom alarm 6	When the source of custom alarm 6 (H11-21) is set to 1, the fault 27-6 (Custom alarm 6) is triggered.	6:仅显示警告	6:仅显示警告	自动复位

		Cause	Check method	Solution	
		The source of custom alarm 6 (H11-21) is active.	Check whether the source of custom alarm 6 (H11-21) is active.	Ensure that the source of custom alarm 6 (H11-21) is inactive.	
		The source of custom alarm 6 (H11-21) is set improperly.	1. Check whether the source of custom alarm 6 (H11-21) is set to 0. 2. Check whether the source of custom alarm 6 (H11-21) is set properly.	Set the source of custom alarm 6 (H11-21) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-7	Custom alarm 7	When the source of custom alarm 7 (H11-22) is set to 1, the fault 27-7 (Custom alarm 7) is triggered.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The source of custom alarm 7 (H11-22) is active.	Check whether the source of custom alarm 7 (H11-22) is active.	Ensure that the source of custom alarm 7 (H11-22) is inactive.	
		The source of custom alarm 7 (H11-22) is set improperly.	1. Check whether the source of custom alarm 7 (H11-22) is set to 0. 2. Check whether the source of custom alarm 7 (H11-22) is set properly.	Set the source of custom alarm 7 (H11-22) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-8	Custom alarm 8	When the source of custom alarm 8 (H11-23) is set to 1, the fault 27-8 (Custom alarm 8) is triggered.	6:仅显示警告	6:仅显示警告	自动复位

		Cause	Check method	Solution	
		The source of custom alarm 8 (H11-23) is active.	Check whether the source of custom alarm 8 (H11-23) is active.	Ensure that the source of custom alarm 8 (H11-23) is inactive.	
		The source of custom alarm 8 (H11-23) is set improperly.	1. Check whether the source of custom alarm 8 (H11-23) is set to 0. 2. Check whether the source of custom alarm 8 (H11-23) is set properly.	Set the source of custom alarm 8 (H11-23) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-9	Custom alarm 9	When the source of custom alarm 9 (H11-24) is set to 1, the fault 27-9 (Custom alarm 9) is triggered.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The source of custom alarm 9 (H11-24) is active.	Check whether H11-24 (Source of custom alarm 9) is active.	Ensure that the source of custom alarm 9 (H11-24) is inactive.	
		The source of custom alarm 9 (H11-24) is set improperly.	1. Check whether the source of custom alarm 9 (H11-24) is set to 0. 2. Check whether the source of custom alarm 9 (H11-24) is set properly.	Set the source of custom alarm 9 (H11-24) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-10	Custom alarm 10	When the source of custom alarm 10 (H11-25) is set to 1, the fault 27-10 (Custom alarm 10) is triggered.	6:仅显示警告	6:仅显示警告	自动复位

		Cause	Check method	Solution	
		The source of custom alarm 10 (H11-25) is active.	Check whether the source of custom alarm 10 (H11-25) is active.	Ensure that the source of custom alarm 10 (H11-25) is inactive.	
		The source of custom alarm 10 (H11-25) is set improperly.	1. Check whether the source of custom alarm 10 (H11-25) is set to 0. 2. Check whether the source of custom alarm 10 (H11-25) is set properly.	Set the source of custom alarm 10 (H11-25) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-11	Custom alarm 11	When the source of custom alarm 11 (H11-26) is set to 1, the fault 27-11 (Custom alarm 11) is triggered.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The source of custom alarm 11 (H11-26) is active.	Check whether the source of custom alarm 11 (H11-26) is active.	Ensure that the source of custom alarm 11 (H11-26) is inactive.	
		The source of custom alarm 11 (H11-26) is set improperly.	1. Check whether the source of custom alarm 11 (H11-26) is set to 0. 2. Check whether the source of custom alarm 11 (H11-26) is set properly.	Set the source of custom alarm 11 (H11-26) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-12	Custom alarm 12	When the source of custom alarm 12 (H11-27) is set to 1, the fault 27-12 (Custom alarm 12) is triggered.	6:仅显示警告	6:仅显示警告	自动复位

		Cause	Check method	Solution	
		The source of custom alarm 12 (H11-27) is active.	Check whether the setting source is active.	Ensure that the setting source is inactive.	
		The source of custom alarm 12 (H11-27) is set improperly.	1. Check whether the source of custom alarm 12 (H11-27) is set to 0. 2. Check whether the source of custom alarm 12 (H11-27) is set properly.	Set the source of custom alarm 12 (H11-27) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-13	Custom alarm 13	When the source of custom alarm 13 (H11-28) is set to 1, the fault 27-13 (Custom alarm 13) is triggered.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The source of custom alarm 13 (H11-28) is active.	Check whether the source of custom alarm 13 (H11-28) is active.	Ensure that the source of custom alarm 13 (H11-28) is inactive.	
		The source of custom alarm 13 (H11-28) is set improperly.	1. Check whether the source of custom alarm 13 (H11-28) is set to 0. 2. Check whether the source of custom alarm 13 (H11-28) is set properly.	Set the source of custom alarm 13 (H11-28) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-14	Custom alarm 14	When the source of custom alarm 14 (H11-29) is set to 1, the fault 27-14 (Custom alarm 14) is triggered.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		The source of custom alarm 14 (H11-29) is active.	Check whether the source of custom alarm 14 (H11-29) is active.	Ensure that the source of custom alarm 14 (H11-29) is inactive.	
		The source of custom alarm 14 (H11-29) is set improperly.	1. Check whether the source of custom alarm 14 (H11-29) is set to 0. 2. Check whether the source of custom alarm 14 (H11-29) is set properly.	Set the source of custom alarm 14 (H11-29) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-15	Custom alarm 15	When the source of custom alarm 15 (H11-30) is set to 1, the fault 27-15 (Custom alarm 15) is triggered.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The source of custom alarm 15 (H11-30) is active.	Check whether the source of custom alarm 15 (H11-30) is active.	Ensure that the source of custom alarm 15 (H11-30) is inactive.	
		The source of custom alarm 15 (H11-30) is set improperly.	1. Check whether the source of custom alarm 15 (H11-30) is set to 0. 2. Check whether the source of custom alarm 15 (H11-30) is set properly.	Set the source of custom alarm 15 (H11-30) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
28-16	Custom alarm 16	When the source of custom alarm 16 (H11-31) is set to 1, the fault 27-16 (Custom alarm 16) is triggered.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		The source of custom alarm 16 (H11-31) is active.	Check whether the source of custom alarm 16 (H11-31) is active.	Ensure that the source of custom alarm 16 (H11-31) is inactive.	
		The source of custom alarm 16 (H11-31) is set improperly.	1. Check whether the source of custom alarm 16 (H11-31) is set to 0. 2. Check whether the source of custom alarm 16 (H11-31) is set properly.	Set the source of custom alarm 16 (H11-31) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
32-3	Module fan status error	The module fan error hardware signal is triggered.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The fan is faulty.	Contact Inovance for technical support.	Replace the fan.	
		The fan power supply board is abnormal.	Contact Inovance for technical support.	Replace the power supply board of the fan.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
44-4	I/O module 1 activated but offline	The slot is activated but no online I/O module is detected.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The expansion module slot is set improperly.	Check whether the expansion slot selection (n7-00) is consistent with the actual slot of the module.	1. Ensure that the expansion module slot (n7-00) is selected correctly. 2. Ensure that the expansion module type (n7-02) is set correctly.	
		The expansion module is not inserted into the slot.	Check whether the slot of the selected expansion module (n7-00) is loose.	Re-install the expansion module.	

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
44-5	I/O module 2 activated but offline	The slot is activated but no online I/O module is detected.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The expansion module slot is set improperly.	Check whether the expansion module slot (n8-00) is consistent with the actual slot of the module.	1. Ensure that the expansion module slot (n8-00) is selected correctly. 2. Ensure that the expansion module type (n8-02) is set correctly.	
		The expansion module is not inserted into the slot.	Check whether the expansion module slot (n8-00) is loose.	Re-install the expansion module.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
44-6	I/O module 3 activated but offline	The slot is activated but no online I/O module is detected.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The expansion module slot is set improperly.	Check whether the expansion slot (n9-00) matches the actual slot of the module.	1. Ensure that the expansion module slot (n9-00) is selected correctly. 2. Ensure that the expansion module type (n9-02) is set correctly.	
		The expansion module is not inserted into the slot.	Check whether the expansion module slot (n8-00) is loose.	Re-install the expansion module.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

<table>
<tr><td rowspan="5">44-7</td><td rowspan="5">Bus adapter A activated but offline, configured communication card offline</td><td>The slot is active but the expansion module corresponding to the bus type is not online.</td><td>0:分闸</td><td>0:分闸</td><td>手动复位</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
<tr><td>The expansion module slot is set improperly.</td><td>Check whether the expansion card slot selected for the module configured in n1-00 (Bus adapter A bus type) matches the actual slot of the module.</td><td colspan="2">1. Ensure that the expansion module slot is selected correctly.
2. For custom communication modules, ensure that the expansion module ID is entered correctly.</td></tr>
<tr><td>The expansion module is not inserted into the slot.</td><td>Check whether the expansion card slot selected by the module configured in n1-00 (Bus adapter A bus type) is loose.</td><td colspan="2">Re-install the expansion module.</td></tr>
<tr><td>Other fault causes lead to the fault.</td><td>Contact Inovance for technical support.</td><td colspan="2">Contact Inovance for technical support.</td></tr>
<tr><td>Fault code</td><td>Fault name</td><td>Cause</td><td>Fault level</td><td>Default fault level</td><td>Reset method</td></tr>
<tr><td rowspan="5">44-8</td><td rowspan="5">Bus adapter B activated but offline, configured communication card offline</td><td>The slot is active but the expansion module corresponding to the bus type is not online.</td><td>0:分闸</td><td>0:分闸</td><td>手动复位</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
<tr><td>The expansion module slot is set improperly.</td><td>Check whether the expansion card slot selected for the module configured in n2-00 (Bus type of fieldbus adapter B) matches the actual slot of the module.</td><td colspan="2">1. Ensure that the expansion module slot is selected correctly.
2. For custom communication modules, ensure that the expansion module ID is entered correctly.</td></tr>
</table>

		The expansion module is not inserted into the slot.	Check whether the expansion card slot selected by the module configured in n2-00 [Bus type of fieldbus adapter B] is loose.	Re-install the expansion module.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
44-9	Bus adapter C activated but offline, configured communication card offline	The slot is active but the expansion module corresponding to the bus type is not online.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The expansion module slot is set improperly.	Check whether the expansion card slot selected for the module configured in n3-00 (Bus type of fieldbus adapter C) matches the actual slot of the module.	1. Ensure that the expansion module slot is selected correctly. 2. For custom communication modules, ensure that the expansion module ID is entered correctly.	
		The expansion module is not inserted into the slot.	Check whether the expansion card slot selected by the module configured in n3-00 (Bus type of fieldbus adapter C) is loose.	Re-install the expansion module.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

44-10	Synchronous voltage detection module activated but offline	The slot is activated but the synchronous voltage detection module is offline.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The slot setting of the synchronous voltage detection module is incorrect.	Check whether the expansion slot selection (n19-00) is correct.	Ensure that the expansion slot selection (n19-00) is correct.	
		The synchronous voltage detection module is connected to the HCU communication fiber improperly.	Check whether the synchronous voltage detection module is connected to the HCU communication optical fiber properly.	Ensure that the synchronous voltage detection module is connected to the HCU communication optical fiber properly.	
		The power supply of the synchronous voltage detection module is faulty.	Check whether the power supply of the synchronous voltage detection module is normal.	Ensure that the power supply of the synchronous voltage detection module is proper.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
45-4	Slot address conflict between I/O modules 1 and 2	The same slot number is defined by n7-00 and n8-00.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The slot addresses come into conflict with each other.	Check whether the expansion slots set by n7-00 and n8-00 are the same.	Check and reset n7-00 and n8-00.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
45-5	Slot address conflict between I/O modules 1 and 3	The same slot number is defined by n7-00 and n9-00.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The slot addresses come into conflict with each other.	Check whether the expansion slots set by n7-00 and n9-00 are the same.	Check and reset n7-00 and n9-00.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
45-6	Slot address conflict between I/O modules 2 and 3	The same slot number is defined by n8-00 and n9-00.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The slot addresses come into conflict with each other.	Check whether the expansion slots set by n8-00 and n9-00 are the same.	Check and reset n8-00 and n9-00.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
45-7	Slot address range conflict between bus adapters A and B	The slot address range is in conflict. The fieldbus adapter A and fieldbus adapter B enable the same slot address range.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Expansion slot settings are in conflict.	Check whether the communication module uses the same expansion slot.	Ensure that the communication module does not use the same expansion slot.	
		The slot address range setting is in conflict.	Check whether the communication module uses the same slot address range.	Ensure that the communication module does not use the same slot address range.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
45-8	Slot address range conflict between bus adapters A and C	The slot address range is in conflict. The fieldbus adapter A and fieldbus adapter C enable the same slot address range.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		Expansion slot settings are in conflict.	Check whether the communication module uses the same expansion slot.	Ensure that the communication module does not use the same expansion slot.	
		The slot address range setting is in conflict.	Check whether the communication module uses the same slot address range.	Ensure that the communication module does not use the same slot address range.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
45-9	Slot address range conflict between bus adapters B and C	The slot address range is in conflict. The fieldbus adapter B and fieldbus adapter C enable the same slot address range.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Expansion slot settings are in conflict.	Check whether the communication module uses the same expansion slot.	Ensure that the communication module does not use the same expansion slot.	
		The slot address range setting is in conflict.	Check whether the communication module uses the same slot address range.	Ensure that the communication module does not use the same slot address range.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
45-16	Fan detection module slot address conflict	The slot address is in conflict. E7-40 and E7-48/E7-52 or E7-46 and E7-52 specify the same slot number.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The slot addresses come into conflict with each other.	Check and update the parameters.	Ensure that E7-40 and E7-48/E7-52 or E7-46 and E7-52 do not specify the same slot number.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

46-1	Parameter setting error	You can check the details through U8-44.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		You can check the details through U8-44.	Check whether parameters are set properly.	Set parameters properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
50-1	No SD card is detected.	The motor temperature is detected to exceed the overtemperature threshold for a period longer than the preset time.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The SD card is not installed or is installed improperly.	Check whether the SD card is installed or installed improperly.	Re-install the SD card.	
		The SD card is damaged.	Check whether the SD card is damaged. Check whether the fault is rectified after the SD card is replaced.	Replace the SD card.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
50-2	SD card error	SD card read-write operations are abnormal.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The SD card is connected loosely.	Check whether the SD card is installed or installed improperly.	Re-install the SD card.	

		The SD card is damaged.	Check whether the SD card is damaged. Check whether the fault is rectified after the SD card is replaced.	Replace the SD card.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
51-1	Insufficient power supply for HCU-RTC unit	The power supply of the RTC unit is insufficient.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The RTC battery voltage is lower than 2.2 V.	Check whether the RTC battery voltage is too low. Check whether the fault is rectified after the battery is replaced.	Replace the RTC battery.	
		The module is faulty.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
51-2	HCU-RTC read/write timeout	The RTC read/write time exceeds the preset value (1.6s).	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The module is faulty.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

<table>
<tr><td rowspan="5">52-1</td><td rowspan="5">IDS communication fault</td><td>The fault 52-1 (InoDriveStudio communication fault) is triggered when InoDriveStudio is disconnected from the drive after obtaining control permission for controlling the drive operation.</td><td>0:分闸</td><td>0:分闸</td><td>手动复位</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
<tr><td>The SOP-20-880 operating panel is disconnected from the PC.</td><td>Check that the wiring is reliable.</td><td colspan="2">Ensure the wiring is proper.</td></tr>
<tr><td>The SOP-20-880 operating panel is disconnected from the drive or connected improperly.</td><td>Check that the wiring is reliable.</td><td colspan="2">Ensure the wiring is proper.</td></tr>
<tr><td>Interference exists.</td><td>Check whether the cable layout is proper.</td><td colspan="2">Check that the cable is properly routed. You can install a magnetic ring to eliminate interference.</td></tr>
<tr><td>Fault code</td><td>Fault name</td><td>Cause</td><td>Fault level</td><td>Default fault level</td><td>Reset method</td></tr>
<tr><td rowspan="2">52-2</td><td rowspan="2">SOP-20 communication fault</td><td>The fault 52-2 (SOP-20 communication fault) is triggered when SOP-20 gets the control permission for controlling motor operations but is disconnected from the drive for a certain period of time.</td><td>0:分闸</td><td>0:分闸</td><td>手动复位</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
</table>

		The SOP-20 operating panel is used to control multiple cascaded devices. When the panel is used to start one device, another device may be switched to.	The SOP-20 operating panel is used to control multiple cascaded devices. When the panel is used to start one device, another device may be switched to.	1. When the SOP-20-880 operating panel gets the local control permission, switchover to other devices is not allowed. 2. You can disable SOP-20 communication open circuit detection by setting A10-05 to 1.	
		The SOP-20-880 operating panel is disconnected from the drive or connected improperly.	Check that the wiring is reliable.	Ensure the wiring is proper.	
		Interference exists.	Check that the cable is routed properly, and install the magnetic ring to eliminate interference.	Check that the cable is routed properly, and install the magnetic ring to eliminate interference.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
53-1	CRC check error in data received by HINT	A CRC error occurs in the data received by the HINT from HCU or HPCU.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		The optical fiber is in poor contact or loosened.	Check whether the optical fiber is loose or in poor contact. Check whether the fault can be rectified by reconnecting the optical fiber.	Re-connect or replace the optical fiber.	

		The optical fiber head is polluted by dust.	Check whether the optical fiber head is polluted by dust. Clean or replace the optical fiber to see whether the fault can be rectified.	Clean or replace the optical fiber.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
53-2	HINT ID authentication error	The ID of the HINT board detected by HCU does not match.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		Software versions of HCU and HINT do not match.	Check whether the MCU software type matches the HINT board software type.	Check whether the DSP software type is consistent with the HINT board software type.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
53-3	Data reception failure of HCU	The HCU fails to receive the data sent by the HINT board or HPCU parallel board.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		The HINT or HPCU board is not connected or the control power supply is not switched on.	Check whether the HINT or HPCU board is not connected or the control power supply is not switched on.	1. Connect the HINT board or the parallel board. 2. Ensure that the power supply of the HINT or parallel board is normal.	

		The optical fiber is in poor contact or loosened.	Check whether the optical fiber is loose or in poor contact. Check whether the fault can be rectified by reconnecting the optical fiber.	Re-connect or replace the optical fiber.	
		The optical fiber head is polluted by dust.	Check whether the optical fiber head is polluted by dust. Clean or replace the optical fiber to see whether the fault can be rectified.	Clean or replace the optical fiber.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
53-4	CRC check error in data received by HCU	A CRC error occurs in the data received by the HCU from HINT or HPCU.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		The optical fiber is in poor contact or loosened.	Check whether the optical fiber is loose or in poor contact. Check whether the fault can be rectified by reconnecting the optical fiber.	Re-connect or replace the optical fiber.	
		The optical fiber head is polluted by dust.	Check whether the optical fiber head is polluted by dust. Clean or replace the optical fiber to see whether the fault can be rectified.	Clean or replace the optical fiber.	

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
53-5	HINT sync fault	The carrier synchronization command is received from the HCU or HPCU outside the specified time range.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		Communication errors occur.	Check whether the optical fiber is loose or in poor contact. Re-connect the optical fiber and check whether the fault is rectified. If not, contact Inovance for technical support.	1. Ensure that the optical fiber is connected securely. 2. Contact Inovance for technical support.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
53-6	PWM data-write timeout	The PWM data is not updated within the specified time range.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
53-7	Data reception failure of HINT	The HINT has not received the data sent by HCU or HPCU.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	

		The optical fiber is in poor contact or loosened.	Check whether the optical fiber is loose or in poor contact. Check whether the fault can be rectified by reconnecting the optical fiber.	Re-connect or replace the optical fiber.	
		The optical fiber head is polluted by dust.	Check whether the optical fiber head is polluted by dust. Clean or replace the optical fiber to see whether the fault can be rectified.	Clean or replace the optical fiber.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
53-8	CRC error in HCU data received by HPCU	CRC error occurs in the data received by HPCU from HCU.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		The optical fiber is in poor contact or loosened.	Check whether the optical fiber is loose or in poor contact. Check whether the fault can be rectified by reconnecting the optical fiber.	Re-connect or replace the optical fiber.	
		The optical fiber head is polluted by dust.	Check whether the optical fiber head is polluted by dust. Clean or replace the optical fiber to see whether the fault can be rectified.	Clean or replace the optical fiber.	

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
53-9	HCU data reception failure of HPCU	The HPCU fails to receive the data sent by HCU.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		The optical fiber is in poor contact or loosened.	Check whether the optical fiber is loose or in poor contact. Check whether the fault can be rectified by reconnecting the optical fiber.	Re-connect or replace the optical fiber.	
		The optical fiber head is polluted by dust.	Check whether the optical fiber head is polluted by dust. Clean or replace the optical fiber to see whether the fault can be rectified.	Clean or replace the optical fiber.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
53-10	CRC error in HINT data received by HPCU	CRC error occurs in the data received by HPCU from HINT.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		The optical fiber is in poor contact or loosened.	Check whether the optical fiber is loose or in poor contact. Check whether the fault can be rectified by reconnecting the optical fiber.	Re-connect or replace the optical fiber.	

		The optical fiber head is polluted by dust.	Check whether the optical fiber head is polluted by dust. Clean or replace the optical fiber to see whether the fault can be rectified.	Clean or replace the optical fiber.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
53-11	HINT data reception failure of HPCU	The HPCU does not receive the HINT data.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		The HINT is not powered on or the optical fiber is disconnected.	Wait until HINT is powered on and then run again to check whether the fault is rectified. Check the state of the optical fiber.	1. Ensure that the HINT power supply is normal. 2. Ensure that the optical fiber loop is normal.	
		The optical fiber is in poor contact or loosened.	Check whether the optical fiber is loose or in poor contact. Check whether the fault can be rectified by reconnecting the optical fiber.	Re-connect or replace the optical fiber.	
		The optical fiber head is polluted by dust.	Check whether the optical fiber head is polluted by dust. Clean or replace the optical fiber to see whether the fault can be rectified.	Clean or replace the optical fiber.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	

<table>
<tr><th>Fault code</th><th>Fault name</th><th>Cause</th><th>Fault level</th><th>Default fault level</th><th>Reset method</th></tr>
<tr><td rowspan="4">53-12</td><td rowspan="4">HPCU synchronization error</td><td>The carrier synchronization command sent by the HCU is received outside the specified time range.</td><td>0:分闸
2:停止运行
6:仅显示警告</td><td>0:分闸
6:仅显示警告</td><td>手动复位</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
<tr><td>Communication errors occur.</td><td>Check whether the optical fiber is loose or in poor contact. Re-connect the optical fiber and check whether the fault is rectified. If not, contact Inovance for technical support.</td><td colspan="2">1. Ensure that the optical fiber is connected securely.
2. Contact Inovance for technical support.</td></tr>
<tr><td>Other fault causes lead to the fault.</td><td>Contact Inovance for technical support.</td><td colspan="2">Contact Inovance for technical support.</td></tr>
<tr><th>Fault code</th><th>Fault name</th><th>Cause</th><th>Fault level</th><th>Default fault level</th><th>Reset method</th></tr>
<tr><td rowspan="4">53-13</td><td rowspan="4">HINT not ready</td><td>Power-on has not been completed but an operation command has been received.</td><td>0:分闸
2:停止运行
6:仅显示警告</td><td>0:分闸
6:仅显示警告</td><td>手动复位</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
<tr><td>Power-on has not been completed but an operation command has been received.</td><td>Wait until HINT is powered on and then run again to check whether the fault is rectified.</td><td colspan="2">Wait until HINT is powered on and then run again.</td></tr>
<tr><td>The control power supply of HINT is abnormal.</td><td>Check whether the HINT control power is normal and whether the power supply is insufficient.</td><td colspan="2">Ensure that the HINT control power supply is normal.</td></tr>
</table>

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
54-1	Slot 1_1 offline	The 1_1 expansion slot in an expansion module is activated but no data is received within 1s.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The expansion slot is activated but the expansion module is not installed or is connected loosely.	1. Check whether the expansion module is installed properly. 2. Re-install the expansion module.	1. Ensure that the expansion module is installed properly. 2. Re-install the expansion module.	
		The expansion slot is set improperly.	Check whether the expansion module slot is set correctly.	Check whether the expansion module slot is set correctly.	
		The expansion slot is set repetitively.	Check whether the expansion module slot is set repetitively.	Check whether the expansion module slot is set repetitively.	
		The optical fiber is in poor contact or loosened.	Re-connect or replace the optical fiber.	Re-connect or replace the optical fiber.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
54-2	Slot 1_2 offline	The 1_2 expansion slot in an expansion module is activated but no data is received within 1s.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The expansion slot is activated but the expansion module is not installed or is connected loosely.	1. Check whether the expansion module is installed properly. 2. Re-install the expansion module.	1. Ensure that the expansion module is installed properly. 2. Re-install the expansion module.	

		The expansion slot is set improperly.	Check whether the expansion module slot is set correctly.	Check whether the expansion module slot is set correctly.	
		The expansion slot is set repetitively.	Check whether the expansion module slot is set repetitively.	Check whether the expansion module slot is set repetitively.	
		The optical fiber is in poor contact or loosened.	Re-connect or replace the optical fiber.	Re-connect or replace the optical fiber.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
54-3	Slot 1_3 offline	The 1_3 expansion slot in an expansion module is activated but no data is received within 1s.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The expansion slot is activated but the expansion module is not installed or is connected loosely.	1. Check whether the expansion module is installed properly. 2. Re-install the expansion module.	1. Ensure that the expansion module is installed properly. 2. Re-install the expansion module.	
		The expansion slot is set improperly.	Check whether the expansion module slot is set correctly.	Check whether the expansion module slot is set correctly.	
		The expansion slot is set repetitively.	Check whether the expansion module slot is set repetitively.	Check whether the expansion module slot is set repetitively.	
		The optical fiber is in poor contact or loosened.	Re-connect or replace the optical fiber.	Re-connect or replace the optical fiber.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

54-4	Slot 2_1 offline	The 2_1 expansion slot in an expansion module is activated but no data is received within 1s.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The expansion slot is activated but the expansion module is not installed or is connected loosely.	1. Check whether the expansion module is installed properly. 2. Re-install the expansion module.	1. Ensure the expansion module is installed properly. 2. Re-install the expansion module.	
		The expansion slot is set improperly.	Check whether the expansion module slot is set correctly.	Ensure that the expansion slot is set correctly.	
		The expansion slot is set repetitively.	Check whether the expansion module slot is set repetitively.	Ensure that the expansion module slot is not set repetitively.	
		The optical fiber is in poor contact or loosened.	Re-connect or replace the optical fiber.	Re-connect or replace the optical fiber.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
54-5	Slot 2_2 offline	The 2_2 expansion slot in an expansion module is activated but no data is received within 1s.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The expansion slot is activated but the expansion module is not installed or is connected loosely.	1. Check whether the expansion module is installed properly. 2. Re-install the expansion module.	1. Ensure the expansion module is installed properly. 2. Re-install the expansion module.	
		The expansion slot is set improperly.	Check whether the expansion module slot is set correctly.	Ensure that the expansion slot is set correctly.	

		The expansion slot is set repetitively.	Check whether the expansion module slot is set repetitively.	Ensure that the expansion module slot is not set repetitively.	
		The optical fiber is in poor contact or loosened.	Re-connect or replace the optical fiber.	Re-connect or replace the optical fiber.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
54-6	Slot 2_3 offline	The 2_3 expansion slot in an expansion module is activated but no data is received within 1s.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The expansion slot is activated but the expansion module is not installed or is connected loosely.	1. Check whether the expansion module is installed properly. 2. Re-install the expansion module.	1. Ensure the expansion module is installed properly. 2. Re-install the expansion module.	
		The expansion slot is set improperly.	Check whether the expansion module slot is set correctly.	Ensure that the expansion slot is set correctly.	
		The expansion slot is set repetitively.	Check whether the expansion module slot is set repetitively.	Ensure that the expansion module slot is not set repetitively.	
		The optical fiber is in poor contact or loosened.	Re-connect or replace the optical fiber.	Re-connect or replace the optical fiber.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
54-7	Slot 3_1 offline	The 3_1 expansion slot in an expansion module is activated but no data is received within 1s.	0:分闸	0:分闸	手动复位

		Cause	Check method	Solution	
		The expansion slot is activated but the expansion module is not installed or is connected loosely.	1. Check whether the expansion module is installed properly. 2. Re-install the expansion module.	1. Ensure the expansion module is installed properly. 2. Re-install the expansion module.	
		The expansion slot is set improperly.	Check whether the expansion module slot is set correctly.	Ensure that the expansion slot is set correctly.	
		The expansion slot is set repetitively.	Check whether the expansion module slot is set repetitively.	Ensure that the expansion module slot is not set repetitively.	
		The optical fiber is in poor contact or loosened.	Re-connect or replace the optical fiber.	Re-connect or replace the optical fiber.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
55-1	Unstable communication of Slot 1_1	CRC errors occur in the slot data received by the controller in 10 consecutive cycles.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The communication circuit has been disturbed.	1. Check whether the cable is connected properly. 2. Check whether the cable shield is grounded properly.	1. Ensure that the wiring is correct. 2. Ensure that the shield of the line is grounded properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

55-2	Unstable communication of Slot 1 _2	CRC errors occur in the slot data received by the controller in 10 consecutive cycles.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The communication circuit has been disturbed.	1. Check whether the cable is connected properly. 2. Check whether the cable shield is grounded properly.	1. Ensure that the wiring is correct. 2. Ensure that the shield of the line is grounded properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
55-3	Unstable communication of Slot 1 _3	CRC errors occur in the slot data received by the controller in 10 consecutive cycles.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The communication circuit has been disturbed.	1. Check whether the cable is connected properly. 2. Check whether the cable shield is grounded properly.	1. Ensure that the wiring is correct. 2. Ensure that the shield of the line is grounded properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
55-4	Unstable communication of Slot 2_1	CRC errors occur in the slot data received by the controller in 10 consecutive cycles.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The communication circuit has been disturbed.	1. Check whether the cable is connected properly. 2. Check whether the cable shield is grounded properly.	1. Ensure that the wiring is correct. 2. Ensure that the shield of the line is grounded properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
55-5	Unstable communication of Slot 2 _2	CRC errors occur in the slot data received by the controller in 10 consecutive cycles.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The communication circuit has been disturbed.	1. Check whether the cable is connected properly. 2. Check whether the cable shield is grounded properly.	1. Ensure that the wiring is correct. 2. Ensure that the shield of the line is grounded properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
55-6	Unstable communication of Slot 2 _3	CRC errors occur in the slot data received by the controller in 10 consecutive cycles.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The communication circuit has been disturbed.	1. Check whether the cable is connected properly. 2. Check whether the cable shield is grounded properly.	1. Ensure that the wiring is correct. 2. Ensure that the shield of the line is grounded properly.	

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
55-7	Unstable communication of Slot 3_1	CRC errors occur in the slot data received by the controller in 10 consecutive cycles.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The communication circuit has been disturbed.	1. Check whether the cable is connected properly. 2. Check whether the cable shield is grounded properly.	1. Ensure that the wiring is correct. 2. Ensure that the shield of the line is grounded properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
56-1	Bus adapter A communication failure	The fieldbus adapter A receives no data within the specified time.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The external bus is disconnected.	Check whether the circuit is disconnected or connected improperly.	Check whether the circuit is disconnected or connected improperly.	

		The wiring is incorrect.	Check whether the communication circuit is wired correctly. If DP communication applies, check whether the PROFIBUS-DP cable is connected properly and whether the input/output of the DP connector is connected improperly.	Check whether the communication circuit is wired correctly. If DP communication applies, check whether the PROFIBUS-DP cable is connected properly and whether the input/output of the DP connector is connected improperly.
		The termination resistor is improper.	1. Check whether the terminal DIP switch of the connector is normal. 2. Check whether the termination resistor is connected. 3. Check whether the resistance of the termination resistor is proper.	1. Ensure that the terminal DIP switch of the connector is normal. 2. Ensure that the resistance of the termination resistor is proper.
		Parameters are set improperly.	1. Check whether the communication baud rate is consistent. 2. Check whether the communication station number is incorrect or repetitive.	1. Ensure that the communication baud rate is consistent. 2. Ensure that the communication station number or station address is correct and unique.

		A check bit error occurs during PROFIBUS-DP communication.	Check whether the DP data check bit (n16-10) is set correctly. If the DP data check bit is not used, set n16-10 to 1.	Ensure that the DP data check bit (n16-10) is selected properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
56-2	Bus adapter B communication failure	The fieldbus adapter B receives no data within the specified period of time.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The external bus is disconnected.	Check whether the circuit is disconnected or connected improperly.	Check whether the circuit is disconnected or connected improperly.	
		The wiring is incorrect.	Check whether the communication circuit is wired correctly. If DP communication applies, check whether the PROFIBUS-DP cable is connected properly and whether the input/output of the DP connector is connected improperly.	Check whether the communication circuit is wired correctly. If DP communication applies, check whether the PROFIBUS-DP cable is connected properly and whether the input/output of the DP connector is connected improperly.	

		The termination resistor is improper.	1. Check whether the terminal DIP switch of the connector is normal. 2. Check whether the termination resistor is connected. 3. Check whether the resistance of the termination resistor is proper.	1. Ensure that the terminal DIP switch of the connector is normal. 2. Ensure that the resistance of the termination resistor is proper.	
		Parameters are set improperly.	1. Check whether the communication baud rate is consistent. 2. Check whether the communication station number is incorrect or repetitive.	1. Ensure that the communication baud rate is consistent. 2. Ensure that the communication station number or station address is correct and unique.	
		A check bit error occurs during PROFIBUS-DP communication.	Check whether the DP data check bit (n16-10) is set correctly. If the DP data check bit is not used, set n16-10 to 1.	Ensure that the DP data check bit (n16-10) is selected properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
56-3	Redundant fieldbus adapter communication failure	The redundant fieldbus adapter receives no data during the specified period of time.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The external bus is disconnected.	Check whether the circuit is disconnected or connected improperly.	Check whether the circuit is disconnected or connected improperly.
		The wiring is incorrect.	Check whether the communication circuit is wired correctly. If DP communication applies, check whether the PROFIBUS-DP cable is connected properly and whether the input/output of the DP connector is connected improperly.	Check whether the communication circuit is wired correctly. If DP communication applies, check whether the PROFIBUS-DP cable is connected properly and whether the input/output of the DP connector is connected improperly.
		The termination resistor is improper.	1. Check whether the terminal DIP switch of the connector is normal. 2. Check whether the termination resistor is connected. 3. Check whether the resistance of the termination resistor is proper.	1. Ensure that the terminal DIP switch of the connector is normal. 2. Ensure that the resistance of the termination resistor is proper.
		Parameters are set improperly.	1. Check whether the communication baud rate is consistent. 2. Check whether the communication station number is incorrect or repetitive.	1. Ensure that the communication baud rate is consistent. 2. Ensure that the communication station number or station address is correct and unique.

		A check bit error occurs during PROFIBUS-DP communication.	Check whether the DP data check bit (n16-10) is set correctly. If the DP data check bit is not used, set n16-10 to 1.	Ensure that the DP data check bit (n16-10) is selected properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
56-4	Bus adapter A data CRC error	The number of CRC errors of the fieldbus adapter reaches the set threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The communication circuit has been disturbed.	1. Check whether the cable is connected properly. 2. Check whether the cable shield is grounded properly.	1. Check whether the cable is connected improperly. 2. Check whether the cable shield is grounded properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
56-5	Bus adapter B data CRC error	The number of CRC errors of the fieldbus adapter reaches the set threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The communication circuit has been disturbed.	1. Check whether the cable is connected properly. 2. Check whether the cable shield is grounded properly.	1. Check whether the cable is connected improperly. 2. Check whether the cable shield is grounded properly.	

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
56-6	Bus adapter C data CRC error	The number of CRC errors of the fieldbus adapter reaches the set threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The communication circuit has been disturbed.	1. Check whether the cable is connected properly. 2. Check whether the cable shield is grounded properly.	1. Check whether the cable is connected improperly. 2. Check whether the cable shield is grounded properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
56-7	Bus adapter A slot conflict	The slot setting of fieldbus adapter B or fieldbus adapter C comes into conflict with that of adapter A.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The slot setting of fieldbus adapter B or fieldbus adapter C comes into conflict with that of adapter A.	Rectify the slot number of the communication module.	Rectify the slot number of the communication module.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
56-8	Bus adapter B slot conflict	The expansion slot of fieldbus adapter C comes into conflict with that of fieldbus adapter B.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The expansion slot of fieldbus adapter C comes into conflict with that of fieldbus adapter B.	Rectify the slot number of the communication module.	Rectify the slot number of the communication module.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
59-1	The phase R module temperature is too low.	The phase R temperature (U7-09) of the module is lower than the low temperature threshold defined by A4-18 (-15°C by default).	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The ambient temperature is too low.	Check whether the temperature sampling circuit is connected properly.	Increase the ambient temperature (turn on the air conditioner or heater).	
		The temperature sampling circuit is connected improperly.	Check whether the ambient temperature for installing the braking device is lower than the temperature defined by A4-18.	Check whether the temperature sampling circuit is connected properly.	
		The thermistor of the module is abnormal.	Contact Inovance for technical support.	Contact Inovance for technical support.	
		The low temperature alarm threshold (A4-18) is set to an excessively high value.	Check whether the value of A4-18 is excessively high.	Set the low temperature detection threshold (A4-18) properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

59-2	Phase S module temperature too low	The detected phase S temperature (U7-10) of the module is lower than the low temperature threshold defined by A4-18 (-15°C by default).	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The ambient temperature is too low.	Check whether the temperature sampling circuit is connected properly.	Increase the ambient temperature (turn on the air conditioner or heater).	
		The temperature sampling circuit is connected improperly.	Check whether the ambient temperature for installing the braking device is lower than the temperature defined by A4-18.	Check whether the temperature sampling circuit is connected properly.	
		The thermistor of the module is abnormal.	Contact Inovance for technical support.	Contact Inovance for technical support.	
		The low temperature alarm threshold (A4-18) is set to an excessively high value.	Check whether the value of A4-18 is excessively high.	Set the low temperature detection threshold (A4-18) properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

59-3	Phase T module temperature too low	The detected phase T temperature (U7-11) of the module is lower than the low temperature threshold defined by A4-18 (-15°C by default).	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The ambient temperature is too low.	Check whether the temperature sampling circuit is connected properly.	Increase the ambient temperature (turn on the air conditioner or heater).	
		The temperature sampling circuit is connected improperly.	Check whether the ambient temperature for installing the braking device is lower than the temperature defined by A4-18.	Check whether the temperature sampling circuit is connected properly.	
		The thermistor of the module is abnormal.	Contact Inovance for technical support.	Contact Inovance for technical support.	
		The low temperature alarm threshold (A4-18) is set to an excessively high value.	Check whether the value of A4-18 is excessively high.	Set the low temperature detection threshold (A4-18) properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
63-1	External alarm 1	When the source of external alarm 1 source (H0-02) is set to 1, external alarm 1 (63-1) is triggered.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		The source of external alarm 1 (H0-02) is active.	Check whether the source of external alarm 1 (H0-02) is active.	Ensure that the setting source is active.	
		The source of external alarm 1 (H0-02) is set improperly.	Check whether H0-02 (Source of external alarm 1) is set improperly. For example, H0-02 is set to 1.	1. The source of external alarm 1 (H0-02) is set to 0. 2. Set the source of external alarm 1 (H0-02) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
63-2	External alarm 2	The alarm 63-2 (External alarm 2) is triggered when the H0-03 (Source of external alarm 2) is set to 1.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The source of external alarm 2 (H0-03) is active.	Check whether the source of external alarm 2 (H0-03) is active.	Ensure that the setting source is active.	
		The source of external alarm 2 (H0-03) is set incorrectly.	Check whether H0-03 (Source of external alarm 2) is set incorrectly. For example, H0-03 is set to 1.	1. The source of external alarm 2 (H0-03) is set to 0. 2. Set the source of external alarm 2 (H0-03) properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
63-4	OFF2 stop	If the control word OFF2 is activated (OFF2 = 0), the alarm 64-3 (OFF2 activation alarm) is triggered.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		When the control channel is used to send start/stop commands, OFF2 of the selected control channel is activated.	Check whether the start/stop control word of the selected control channel and the OFF2 in other control word is activated.	Ensure that the start/stop control word of the selected control channel and the OFF2 in other control word is not activated.	
		When you start/stop the device through default configuration, SOP-20 operating panel, or InoDriveStudio, the OFF2 source 2 and OFF2 source 3 of other control words in the selected control channel are activated.	Check whether the OFF2 source 2 and OFF2 source 3 of other control words in the selected control channel are activated.	Ensure that the OFF2 source 2 and OFF2 source 3 of other control words in the selected control channel are not activated.	
		OFF2 on the control panel of InoDriveStudio is not selected.	Check whether OFF2 on the control panel of the InoDriveStudio is selected.	De-select OFF2 on the control panel of InoDriveStudio.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
65-1	Restoring-to-default interrupted due to error	During parameter reset or fault log reset, if the operation is interrupted due to power failure or other reasons, the fault 65-1 can be reported at next power-on. After the fault is triggered, reset the parameter to rectify the fault.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		Power failure occurs during parameter reset or fault log reset.	Perform parameter reset to check whether the fault is rectified.	Perform parameter reset to rectify the fault.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
65-2	Parameter download interrupted (recovered from the SD card/SOP-20)	The attempt to download parameters through SD card or SOP-20 fails due to power failure of HCU or SD card error. The fault 65-2 is triggered at next power-on.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The controller power supply fails unexpectedly during parameter download.	After power-on again, perform parameter download to check whether the fault is cleared.	Find the cause of power failure, and perform parameter download after power-on again.	
		The SD card and the built-in SD card of the SOP-20 are abnormal.	Contact Inovance for technical support.	Replace the SD card or try downloading parameters through SOP-20 again.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
65-3	Parameter cache capacity exceeded	A large number of parameters are saved to the EEPROM, leading to insufficient parameter cache capacity.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		A massive number of parameters are being written.	Reduce the repetitive write operation and check whether the fault is cleared.	Do not write parameters repetitively.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
65-4	Parameter-storage timeout during parameter download	Parameter-saving times out during parameter download.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The SD card is abnormal.	Replace the SD card to check whether the fault is cleared.	Replace the SD card.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
66-2	Excessive leakage current (detected by software)	The leakage current detected by the software is higher than the leakage current detection threshold set by E7-05.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The leakage current protection threshold (E7-05) is set to an excessively low value.	Check whether the leakage current protection threshold (E7-05) is set to an excessively low value.	Reset the leakage current protection threshold (E7-05).	
		The positive/negative end of the bus is grounded improperly.	Check whether the positive and negative end of the bus are grounded properly.	Ensure that the positive/negative bus is grounded properly.	

		Current detection circuit is abnormal.	Check whether the current detection circuit is normal.	Ensure that the current detection circuit is normal.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-1	External bus timeout of adapter A	An external bus communication interruption is detected and process data is not received. The fault 67-1 is reported when the communication is disconnected, and the alarm 156-1 is reported when the communication is not connected.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The external bus is disconnected.	1. Check whether the circuit is disconnected or connected improperly. 2. Check whether the master PLC operates properly.	1. Ensure that the wiring is correct. 2. Check whether the master PLC operates properly.	
		The wiring is incorrect.	1. Check that the wiring for transmission and reception is proper. 2. Check whether the connector is crimped properly. 3. Check whether the polarity of the circuit is correct.	1. Ensure that the wiring for reception and transmission is correct. 2. Ensure that the connector is crimped properly. 3. Ensure that the positive and negative polarity of the circuit is correct.	

		The termination resistor is improper.	1. Check whether the termination resistor is connected. 2. Check whether the resistance of the termination resistor is suitable.	Ensure that the resistance of the termination resistor is proper.	
		A check bit error occurs during PROFIBUS-DP communication.	Check whether n16-10 [DP data check bit] is set properly.	Ensure that the DP data check bit (n16-10) is selected properly.	
		Parameters are set improperly.	1. Check whether the communication baud rate is consistent. 2. Check whether the communication station number is incorrect or repetitive.	1. Ensure that the communication baud rate is consistent. 2. Ensure that the communication station number is correct and does not come into conflict with each other.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-2	Incorrect settings of communication parameters (address or baud rate) for adapter A	The station number and baud rate of fieldbus adapter A are set improperly.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The station number or baud rate is set improperly.	Check whether the station number or baud rate is set incorrectly.	Set the baud rate and station number properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-3	Bus address conflict of adapter A	The set communication module address already exists.	0:分闸	0:分闸	手动复位

		Cause	Check method	Solution	
		The set communication module address already exists.	1. Check whether the communication module addresses are in conflict. 2. Check whether the host controller address comes into conflict with the communication module address.	1. Ensure that the communication module addresses are not in conflict. 2. Ensure that the host controller address does not come into conflict with the communication module address.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-4	PZD1 data check error in DP communication of adapter A	After PROFIBUS-DP is activated and online, no valid data is received after the time defined by n1-01 (Communication disconnection detection delay) elapses.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		DP data check bit is selected improperly.	Check whether n16-10 [DP data check bit] is set properly.	Ensure that the DP data check bit (n16-10) is set correctly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-5	Ethernet/IP Ethernet hardware error of adapter A	The Ethernet/IP Ethernet hardware is abnormal.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The Ethernet/IP hardware errors occur.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-6	Mismatch between PDO transmission length and configured length	The process data length does not match the setpoint.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

	of adapter A	The process data length does not match the setpoint.	Check whether the process data length matches the setpoint.	Ensure that the process data length is consistent with the setpoint.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-7	EtherCAT EEPROM loading error of adapter A	The EtherCAT card encounters an EEPROM loading error.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The EtherCAT module encounters an EEPROM loading error.	Contact Inovance for technical support.	1. Write to EEPROM again. 2. Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-8	EtherCAT initialization error of adapter A	Communication initialization parameters are set improperly.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Communication initialization parameters are set improperly.	Check the initialization parameters.	Ensure the initialization parameters are set properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-9	EtherCAT master switchover error of adapter A	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		A master switchover error occurs.	Reconfigure the slave according to the ESC error feedback and then switch the status.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-10	Adapter A sync signal error	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The sync signal loss exceeds the limit.	1. Check the real-time capability of the master. 2. Check the communication network to reduce interference.	1. Ensure the real-time performance of the master. 2. Check the communication network to reduce interference.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-11	Adapter A PDI synchronization signal error	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The sync signal loss exceeds the limit.	1. Check the real-time capability of the master. 2. Check the communication network to reduce interference.	1. Ensure the real-time performance of the master. 2. Check the communication network to reduce interference.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-12	Adapter A Ethernet/IP not programmed with MAC	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The MAC address is not programmed for Ethernet/IP.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-13	Ethernet/IP IP conflict of adapter A	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Ethernet/IP IP conflict	Check whether the device has been assigned with a unique IP address.	Ensure that the IP of other devices is not the same as the IP of this device.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-14	The Ethernet/IP LINK of adapter A is lost.	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The Ethernet/IP LINK is lost.	Check whether the network cable is connected properly.	Ensure that the network cable is connected properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
67-15	CRC error in data received by the communication card of adapter A	The CRC check error of the data received by the fieldbus adapter reaches the value defined by n1-03 (Continuous CRC check error detection).	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Interference exists in the circuit.	1. Check whether the wiring and shield comply with the requirements. 2. Increase the value of n1-03 (Continuous CRC check error detection) to check whether the fault is cleared.	1. Ensure that the wiring and shield meet the requirements. 2. Increase the value of n1-03 (Continuous CRC check error detection) properly.	
		The termination resistor is improper.	1. Check whether the termination resistor is connected. 2. Check whether the resistance of the termination resistor is proper.	Ensure that the resistance of the termination resistor is proper.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

67-16	CRC error in data transmitted by the communication card of adapter A	The CRC check error of the data received by the fieldbus adapter reaches the value defined by n1-03 (Continuous CRC check error detection).	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Interference exists in the circuit.	Check that shield and wiring comply with the requirements.	Ensure that the wiring and shield meet the requirements.	
		n1-03 (Continuous CRC check error detection) is set to an excessively low value.	Increase the value of n1-03 (Continuous CRC check error detection) to check whether the fault is cleared.	Reset n1-03 (Continuous CRC check error detection).	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-1	Communication timeout of adapter B external bus	An external bus communication interruption is detected and process data is not received. The fault 68-1 is reported when communication is disconnected, and the alarm 156-2 is reported when communication is not connected.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The external bus is disconnected.	1. Check whether the circuit is disconnected or connected improperly. 2. Check whether the master PLC operates properly.	1. Ensure that the wiring is correct. 2. Check whether the master PLC operates properly.
		The wiring is incorrect.	1. Check that the wiring for transmission and reception is proper. 2. Check whether the connector is crimped properly. 3. Check whether the polarity of the circuit is correct.	1. Ensure that the wiring for reception and transmission is correct. 2. Ensure that the connector is crimped properly. 3. Ensure that the positive and negative polarity of the circuit is correct.
		The termination resistor is improper.	1. Check whether the termination resistor is connected. 2. Check whether the resistance of the termination resistor is proper.	Ensure that the resistance of the termination resistor is proper.
		A check bit error occurs during PROFIBUS-DP communication.	Check whether n16-10 [DP data check bit] is set properly.	Ensure that the DP data check bit (n16-10) is selected properly.
		Parameters are set improperly.	1. Check whether the communication baud rate is consistent. 2. Check whether the communication station number is incorrect or repetitive.	1. Ensure that the communication baud rate is consistent. 2. Ensure that the communication station number is correct and does not come into conflict with each other.
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.

Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-2	Incorrect setting of communication parameters (address or baud rate) for adapter B	The station number and baud rate of fieldbus adapter B are set improperly.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The station number or baud rate is set improperly.	Check whether the station number or baud rate is set incorrectly.	Set the baud rate and station number properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-3	Bus address conflict of adapter B	The set communication module address already exists.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The set communication module address already exists.	1. Check whether the communication module addresses are in conflict. 2. Check whether the host controller address comes into conflict with the communication module address.	1. Ensure that the communication module addresses are not in conflict. 2. Ensure that the host controller address does not come into conflict with the communication module address.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-4	DP parameter error of adapter B	After PROFIBUS-DP is activated and online, no valid data is received after the time defined by n1-01 (Communication disconnection detection) elapses.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		DP data check bit is selected improperly.	Check whether n16-10 [DP data check bit] is set properly.	Ensure that the DP data check bit (n16-10) is set correctly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-5	Adapter B Ethernet/IP hardware error	The Ethernet/IP Ethernet hardware is abnormal.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The Ethernet/IP hardware errors occur.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-6	Mismatch between PDO transmission length and configured length of adapter B	The process data length does not match the setpoint.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The process data length does not match the setpoint.	Check whether the process data length is consistent with the setpoint.	Ensure that the process data length is consistent with the setpoint.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-7	EtherCAT EEPROM loading error of adapter B	The EtherCAT card encounters an EEPROM loading error.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The EtherCAT module encounters an EEPROM loading error.	Contact Inovance for technical support.	1. Write EEPROM again. 2. Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-8	EtherCAT initialization error of adapter B	Communication initialization parameters are set improperly.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Communication initialization parameters are set improperly.	Check the initialization parameters of the communication module.	Ensure the initialization parameters are set properly.	

Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-9	EtherCAT master switchover error of adapter B	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		A master switchover error occurs.	Reconfigure the slave according to the ESC error feedback and then switch the status.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-10	Adapter B sync signal error	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The sync signal loss exceeds the limit.	1. Check the real-time capability of the master. 2. Check the communication network to reduce interference.	1. Ensure the real-time performance of the master. 2. Check the communication network to reduce interference.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-11	Adapter B PDI sync signal error	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The sync signal loss exceeds the limit.	1. Check the real-time capability of the master. 2. Check the communication network to reduce interference.	1. Ensure the real-time performance of the master. 2. Check the communication network to reduce interference.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-12	Adapter B Ethernet/IP not programmed with MAC	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The MAC address is not programmed for Ethernet/IP.	Contact Inovance for technical support.	Contact Inovance for technical support.	

Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-13	Adapter B Ethernet/IP IP conflict	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Ethernet/IP IP conflict	Check whether the device has been assigned with a unique IP address.	Ensure that the IP of other devices is not the same as the IP of this device.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-14	Adapter B Ethernet/IP LINK lost	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The Ethernet/IP LINK is lost.	Check whether the network cable is connected properly.	Ensure that the network cable is connected properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-15	CRC error in data received by the communication card of adapter B	The CRC check error of the data received by the fieldbus adapter reaches the value defined by n2-03 (Continuous CRC check error detection).	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Interference exists in the circuit.	Check that shield and wiring comply with the requirements.	1. Ensure that the wiring and shield meet the requirements. 2. Increase the value of n2-03 (Continuous CRC check error detection) properly.	
		The termination resistor is improper.	Increase the value of n2-03 (Continuous CRC check error detection) to check whether the fault is cleared.	Ensure that the resistance of the termination resistor is proper.	

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
68-16	CRC error in data transmitted by the communication card of adapter B	The CRC check error of the data received by the fieldbus adapter reaches the value defined by n2-03 (Continuous CRC check error detection).	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Interference exists in the circuit.	Check that shield and wiring comply with the requirements.	Ensure that the wiring and shield meet the requirements.	
		n2-03 (Continuous CRC check error detection) is set to an excessively low value.	Increase the value of n2-03 (Continuous CRC check error detection) to check whether the fault is cleared.	Reset n2-03 (Continuous CRC check error detection).	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

<table>
<tr><td rowspan="5">69-1</td><td rowspan="5">Communication timeout of adapter C external bus</td><td>An external bus communication interruption is detected and process data is not received. The fault 69-1 is reported when communication is disconnected, and the alarm 156-3 is reported when communication is not connected.</td><td>0:分闸</td><td>0:分闸</td><td>手动复位</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
<tr><td>The external bus is disconnected.</td><td>1. Check whether the circuit is disconnected or connected improperly.
2. Check whether the master PLC operates properly.</td><td colspan="2">1. Ensure that the wiring is correct.
2. Check whether the master PLC operates properly.</td></tr>
<tr><td>The wiring is incorrect.</td><td>1. Check that the wiring for transmission and reception is proper.
2. Check whether the connector is crimped properly.
3. Check whether the positive/negative polarity of the circuit is correct.</td><td colspan="2">1. Ensure that the wiring for reception and transmission is correct.
2. Ensure that the connector is crimped properly.
3. Ensure that the positive and negative polarity of the circuit is correct.</td></tr>
<tr><td>The termination resistor is improper.</td><td>1. Check whether the termination resistor is connected.
2. Check whether the resistance of the termination resistor is proper.</td><td colspan="2">Ensure that the resistance of the termination resistor is proper.</td></tr>
</table>

		A check bit error occurs during PROFIBUS-DP communication.	Check whether n16-10 [DP data check bit] is set properly.	Ensure that the DP data check bit (n16-10) is selected properly.	
		Parameters are set improperly.	1. Check whether the communication baud rate is consistent. 2. Check whether the communication station number is incorrect or repetitive.	1. Ensure that the communication baud rate is consistent. 2. Ensure that the communication station number is correct and does not come into conflict with each other.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-2	Incorrect setting of communication parameters (address or baud rate) for adapter C	The station number and baud rate of fieldbus adapter C are set improperly.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The station number or baud rate is set improperly.	Check whether the station number or baud rate is set incorrectly.	Set the baud rate and station number properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-3	Bus address conflict of adapter C	The set fieldbus module address already exists.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The set communication module address already exists.	1. Check whether the communication module addresses are in conflict. 2. Check whether the host controller address comes into conflict with the communication module address.	1. Ensure that the communication module addresses are not in conflict. 2. Ensure that the host controller address does not come into contact with the communication module address.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-4	DP parameter error of adapter C	After PROFIBUS-DP is activated and online, no valid data is received after the time defined by n1-01 (Communication disconnection detection delay) elapses.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		DP data check bit is selected improperly.	Check whether n16-10 [DP data check bit] is set properly.	Ensure that the DP data check bit (n16-10) is selected properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-5	Ethernet/IP Ethernet hardware error of adapter C	The Ethernet/IP Ethernet hardware is abnormal.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The Ethernet/IP hardware errors occur.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-6	Mismatch between PDO transmission length and configured length	The process data length does not match the setpoint.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

	of adapter C	The process data length does not match the setpoint.	Check whether the process data length is consistent with the setpoint.	Ensure that the process data length is consistent with the setpoint.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-7	EtherCAT EEPROM loading error of adapter C	The EtherCAT card encounters an EEPROM loading error.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The EtherCAT module encounters an EEPROM loading error.	Contact Inovance for technical support.	1. Write EEPROM again. 2. Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-8	EtherCAT initialization error of adapter C	Communication initialization parameters are set improperly.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Communication initialization parameters are set improperly.	Check the initialization parameters of the communication module.	Ensure the initialization parameters are set properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-9	EtherCAT master switchover error of adapter C	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		A master switchover error occurs.	Reconfigure the slave according to the ESC error feedback and then switch the status.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-10	Sync signal error of adapter C	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The sync signal loss exceeds the limit.	1. Check the real-time capability of the master. 2. Check the communication network to reduce interference.	1. Ensure the real-time performance of the master. 2. Check the communication network to reduce interference.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-11	PDI sync signal error of adapter C	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The sync signal loss exceeds the limit.	1. Check the real-time capability of the master. 2. Check the communication network to reduce interference.	1. Ensure the real-time performance of the master. 2. Check the communication network to reduce interference.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-12	Adapter C Ethernet/IP not programmed with MAC	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The MAC address is not programmed for Ethernet/IP.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-13	Ethernet/IP IP conflict of adapter C	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Ethernet/IP IP conflict	Check whether the device has been assigned with a unique IP address.	Ensure that the IP of other devices cannot be the same with the local device IP.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-14	Ethernet/IP LINK loss of adapter C	A master switchover error occurs.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The Ethernet/IP LINK is lost.	Check whether the network cable is connected properly.	Ensure that the network cable is connected properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-15	CRC error in data received by the communication card of adapter C	The CRC check error of the data received by the fieldbus adapter reaches the value defined by n3-03 (Continuous CRC check error detection).	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Interference exists in the circuit.	Check that shield and wiring comply with the requirements.	Ensure that the wiring and shield meet the requirements.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
69-16	CRC error in data transmitted by the communication card of adapter C	The CRC check error of the data received by the fieldbus adapter reaches the value defined by n3-03 (Continuous CRC check error detection).	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Interference exists in the circuit.	Check that shield and wiring comply with the requirements.	Ensure that the wiring and shield meet the requirements.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

71-3	Grid phase lock error	The attempt to follow the grid phase sequence fails.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The grid voltage is abnormal.	1. Check whether phase loss occurs on the power grid. 2. Check whether the grid is distorted.	1. Ensure that phase loss does not occur on the power grid. 2. Reduce grid distortion.	
		The main circuit breaker trips.	1. Check whether the main circuit breaker is set correctly. 2. Check whether the control circuit of the main circuit breaker is normal.	1. Ensure that the main circuit breaker is set correctly. 2. Ensure that the main circuit breaker control circuit is normal.	
		The phase-locked loop parameters are set improperly.	Check whether the phase-locked loop gain coefficient (E5-04) and phase-locked loop integral coefficient (E5-05) are set properly.	1. The phase-locked loop gain coefficient (E5-04) and phase-locked loop integral coefficient (E5-05) are set properly. 2. Contact Inovance for technical support.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
72-1	Pre-charge timeout	During soft start upon power-on, the time that the state machine (A0-00) is in S6 [pre-charge] exceeds the soft start timeout.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		Grid voltage error 1. No grid voltage is inputted. 2. The grid voltage is excessively low.	Check whether the grid voltage input is normal.	Ensure that the grid voltage input is normal.
		The communication cable between HCU/HPCU and the power module is connected improperly.	Check whether the HCU/HPCU and the power module are connected properly.	Ensure that the HCU/HPCU and power module are connected properly.
		The slow start timeout (E7-10) is set to an excessively low value.	Check whether the soft start timeout (E7-10) is set properly.	Ensure that the soft start timeout (E7-10) is set properly.
		The main circuit breaker feedback signal (DI3) is abnormal.	1. The main circuit breaker feedback signal (DI3) is connected improperly. 2. Check whether the main breaker feedback signal filter time (E4-02) is set to an excessively high value. 3. Check whether the main breaker feedback signal (DI3) is set to low level forcibly. 4. Check whether the waiting time before the main circuit breaker is closed (E4-07) is set properly.	1. The main circuit breaker feedback signal (DI3) is connected properly. 2. Ensure that the filter time of the main circuit breaker feedback signal (E4-02) is proper. 3. Ensure that the main circuit breaker feedback signal (DI3) is set to low level forcibly. 4. Ensure that the waiting time before the main circuit breaker is closed (E4-07) is set properly.

		The correction factor of the DC bus voltage is set improperly.	Check whether the DC voltage sampling gain (A3-06) is set properly.	Ensure that the DC voltage sampling gain (A3-06) is set properly.	
		The bus voltage detection circuit in the power module is abnormal.	Contact Inovance for technical support.	1. Replace the power module. 2. Contact Inovance for technical support.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
72-2	Pre-charge timeout of the basic rectifier module	The bus voltage of 400 V system does not reach 350 V and the bus voltage of 690 V system does not reach 600 V during soft start of the basic rectifier.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The grid voltage is abnormal.	Check whether the grid voltage input is normal.	Ensure that the grid voltage input is normal.	
		The power module is faulty. 1. The thyristor is damaged. 2. The driving circuit is abnormal.	1. Replace the thyristor. 2. Replace the PINT-20 power board.	1. Replace the thyristor. 2. Replace the PINT-20 power board. 3. Contact Inovance technical support.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
72-3	Overcurrent at soft start	The soft start current during soft start keeps exceeding the set soft start current for a period of time.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The capacitance of the bus capacitor is excessively high.	Check whether the total power of the downstream drive exceeds 4 x power of the rectifier.	Ensure that the total power of the downstream drive does not exceed 4 x power of the rectifier.	
		The DC bus is grounded or short-circuited.	Check whether the DC bus is grounded or short-circuited.	Check whether the DC bus is grounded or short-circuited.	
		The Hall circuit is abnormal.	1. Check the wiring of the Hall device. 2. Check the power supply of the Hall device. 3. Check whether the Hall device operates properly.	1. Ensure that the Hall device is wired properly. 2. Ensure that the power supply of the Hall device is normal. 3. Ensure that the Hall device operates properly.	
		Current sampling DIP switch error occurs after power board replacement.	See the DIP switch setting of the power board before replacement.	1. See the DIP switch of the power board before replacement. 2. Contact Inovance for technical support.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
73-1	Main breaker feedback error	The main circuit breaker feedback state (DI3) keeps being inconsistent with the control signal (RO1) even after the preset time elapses.		分闸(等级不可修改)	
		Cause	Check method	Solution	
		Reset method:	Manual reset	Manual reset	

		The main circuit breaker feedback signal (DI3) is abnormal. 1. DI3 is not connected or connected improperly. 2. The main circuit breaker feedback signal (DI3) is set forcibly.	1. Check whether the main circuit breaker feedback signal (DI3) is connected properly. 2. Check the setting of forced DI selection (F0-02) and forced DI data (F0-03).	1. Ensure that DI3 is connected properly. 2. Check the setting of forced DI selection (F0-02) and forced DI data (F0-03).
		The main circuit breaker does not switch on or off normally. 1. The main circuit breaker control circuit is abnormal. 2. The delay-type relay time is set to an excessively high value. 3. The main circuit breaker is damaged.	1. Check whether the control circuit of the main circuit breaker is normal. 2. Check whether the relay time is set to an excessively high value. 3. Check whether the main circuit breaker is damaged.	1. Ensure that the main circuit breaker control circuit is normal. 2. Ensure that the relay time is set properly. 3. Ensure that the main circuit breaker is not damaged. 4. Contact Inovance for technical support.
		E7-08 (Threshold for main breaker (auxiliary contactor) close timeout) and E7-09 (Threshold for main breaker (auxiliary contactor) open timeout) are set to excessively low values.	Check whether E7-08 (Threshold for main breaker (auxiliary contactor) close timeout) and E7-09 (Threshold for main breaker (auxiliary contactor) open timeout) are set to excessively low values.	Ensure that E7-08 (Threshold for main breaker (auxiliary contactor) close timeout) and E7-09 (Threshold for main breaker (auxiliary contactor) open timeout) are set properly.
		The main circuit breaker trips.	Check whether the main circuit breaker is set correctly.	Make sure that the main circuit breaker is set correctly.

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
77-2	Reactor overtemperature	When the temperature switch signal (HDI1) that fed back by the reactor is disconnected, the alarm 77-2 is reported.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The load is too heavy.	Check whether the load is too heavy.	Reduce the load.	
		The fan operates properly.	Check whether the fan is faulty or whether the power supply of the fan is normal.	1. Ensure that the power supply of the fan is normal. 2. Ensure that the fan is not damaged.	
		The temperature detection circuit or temperature switch is abnormal.	Check the temperature detection circuit or replace the temperature switch.	1. Check whether the temperature switch is normally closed. 2. Ensure that the temperature switch signal (HDI1) is wired correctly and the DI jumper is correct. 3. Ensure that the temperature switch signal (HDI1) is not set to low level forcibly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
79-2	High voltage	The software determines that the DC bus voltage (U5-02) exceeds the overvoltage threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The regenerative load of the downstream device is excessively high.	Check whether the regenerative load of the downstream device is excessively high.	Ensure that the regenerative load of the downstream device is proper.	

		The system drive side is grounded.	Check whether the system drive side is grounded.	Check whether the system drive side is grounded.	
		The grid voltage is too high.	Check whether the grid voltage is too high.	Ensure that the grid voltage is correct.	
		The DC bus overvoltage threshold is set to an excessively low value.	Adjust the DC bus overvoltage threshold (A4-13) properly.	Adjust the DC bus overvoltage threshold (A4-13) properly.	
		The DC bus voltage sampling gain (A3-06) is incorrect.	Check whether the DC bus voltage sampling is accurate. If not, perform DC bus voltage sampling correction again.	Ensure that the DC bus voltage sampling is accurate. If not, perform DC bus voltage sampling correction again.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
79-3	Low voltage	The software determines that the DC bus voltage (U5-02) is lower than the undervoltage threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Phase loss occurs on the power grid.	Check whether phase loss occurs on the power grid.	Ensure that the phase loss does not occur on the power grid.	
		The grid voltage is excessively low.	Check whether the power grid voltage is excessively low upon fault.	Ensure that the grid voltage is proper upon fault.	
		The downstream load is excessively high.	Check whether the downstream load is excessively high.	Ensure that the downstream load is proper.	

		The incoming circuit is disconnected and the switch is tripped.	1. Check whether the incoming circuit is normal. 2. Check whether the incoming switch is normal.	1. Ensure that the incoming circuit is normal. 2. Ensure that the incoming switch is normal.	
		The DC bus voltage sampling gain (A3-06) is incorrect.	Check whether the DC bus voltage sampling is accurate. If not, perform DC bus voltage sampling correction again.	Ensure that the DC bus voltage sampling is accurate. If not, perform DC bus voltage sampling correction again.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
81-1	Grid voltage too high	The grid voltage (U5-03) is higher than the threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The input grid voltage is too high.	Check whether the input grid voltage is too high.	Ensure that the input grid voltage is proper.	
		The grid voltage sampling is abnormal.	Check whether the grid voltage sampling is normal.	Ensure that the grid voltage sampling is normal.	
		The fault threshold is set to an excessively low value.	Check whether E7-00 (Overvoltage threshold of grid voltage) is set to an excessively low value.	Check whether E7-00 (Overvoltage threshold of grid voltage) is set to an excessively low value.	
		The sampling coefficient is set improperly.	Check whether n19-07, n20-07, and n21-07 are set properly.	Ensure that n19-07, n20-07, and n21-07 are set properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
81-2	Grid voltage too low	The grid voltage (U5-03) is lower than the threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The input grid voltage is too low.	Check whether the input grid voltage is too low.	Ensure that the input grid voltage is proper.	
		The grid voltage sampling is abnormal.	Check whether the grid voltage sampling is normal.	Ensure that the grid voltage sampling is normal.	
		The fault threshold is set to an excessively high value.	Check whether E7-01 (Undervoltage threshold of grid voltage) is set to an excessively high value.	Ensure that E7-01 (Undervoltage threshold of grid voltage) is set properly.	
		Phase loss occurs on the power grid.	Check whether phase loss occurs on the power grid.	Ensure that no phase loss occurs on the power grid.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
81-3	Three-phase imbalance	The grid power three-phase imbalance degree (U5-08) is higher than the threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Phase loss occurs on the power grid.	Check whether phase loss occurs on the power grid.	Ensure that no phase loss occurs on the power grid.	
		The incoming cable of the grid is grounded.	Check whether the incoming cable of the grid is grounded.	Ensure that the incoming cable of the grid is not grounded.	
		The voltage of the three-phase incoming cables is unbalanced.	Check whether the voltage of the three-phase incoming cables is unbalanced.	Ensure that the voltage of the three-phase incoming cables is balanced.	
		The grid voltage sampling is abnormal.	Check whether the grid voltage sampling is normal.	Ensure that the grid voltage sampling is normal.	

		E7-04 (Threshold of imbalance degree) is set to an excessively low value.	Check whether E7-04 (Threshold of imbalance degree) is set to an excessively low value.	Check whether E7-04 (Threshold of imbalance degree) is set to an excessively low value.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
81-5	Grid frequency too high	The grid frequency (U5-04) is higher than the threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Grid frequency too high	Check whether the grid frequency is too high.	Ensure that the grid frequency is proper.	
		The grid voltage sampling is abnormal.	Check whether the grid voltage sampling is normal.	Ensure that the grid voltage sampling is normal.	
		The rated frequency of the grid (d0-03) is set incorrectly.	Check whether the rated frequency (d0-03) of the grid is set correctly.	Ensure that the rated frequency (d0-03) of the grid is set correctly.	
		E7-02 (Over-frequency threshold of grid frequency) is set to an excessively low value.	Check whether E7-02 (Over-frequency threshold of grid frequency) is set to an excessively low value.	Ensure that E7-02 (Over-frequency threshold of grid frequency) is set properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
81-6	Power grid frequency excessively low	The grid frequency (U5-04) is lower than the threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Grid frequency too low	Check whether the grid frequency is too low.	Ensure that the grid frequency is normal.	

		The grid voltage sampling is abnormal.	Check whether the grid voltage sampling is normal.	Ensure that the grid voltage sampling is normal.	
		The rated frequency of the grid (d0-03) is set incorrectly.	Check whether the rated frequency (d0-03) of the grid is set correctly.	Ensure that the rated frequency (d0-03) of the grid is set correctly.	
		E7-03 (Over-frequency threshold of grid frequency) is set to an excessively low value.	Check whether E7-03 (Over-frequency threshold of grid frequency) is set to an excessively low value.	Ensure that E7-03 (Over-frequency threshold of grid frequency) is set properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
81-7	Phase R loss	The grid voltage of phase R is lower than that of phases S and T.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Phase loss occurs on phase R of the power grid.	Check phase R is missing in the power grid.	Ensure that phase R is not missing in the power grid.	
		The grid voltage sampling is abnormal.	Check whether the grid voltage sampling is normal.	Ensure that the grid voltage sampling is normal.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
81-8	Phase S loss	The grid voltage of phase S is lower than that of phases R and T.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Phase loss occurs on phase S of the power grid.	Check whether phase S is missing in the power grid.	Ensure that phase S is not missing in the power grid.	

		The grid voltage sampling is abnormal.	Check whether the grid voltage sampling is normal.	Ensure that the grid voltage sampling is normal.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
81-9	Phase T loss	The grid voltage of phase T is lower than that of phases R and S.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Phase T loss occurs on the power grid.	Check whether phase T loss occurs on the power grid.	Ensure that phase T is not missing in the power grid.	
		The grid voltage sampling is abnormal.	Check whether the grid voltage sampling is normal.	Ensure that the grid voltage sampling is normal.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
81-10	Three-phase input not connected	The phase R/S/T voltage of the power grid is far lower than the rated value.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The input grid voltage is too low.	Check whether the input grid voltage is too low.	Ensure that the input grid voltage is proper.	
		The grid voltage sampling is abnormal.	Check whether the grid voltage sampling is normal.	Ensure that the grid voltage sampling is normal.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
81-11	HSVM module data error	The HSVM online flag is not received.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The HSVM module is not powered on.	Check whether the power supply of the HSVM module operates properly.	Ensure that the power supply for the HSVM module operates properly.	
		The optical fiber of the HSVM module is not connected.	Check whether HSVM module optical fiber is connected properly.	Ensure that HSVM module optical fiber is connected properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
81-12	Zero-crossing signal error	The zero-crossing signal sampling is abnormal during pre-charging or operation of the basic rectifier.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The grid voltage is abnormal.	1. Check whether the grid voltage is distorted. 2. Check whether the incoming cable of the power grid is disconnected.	1. Check whether the grid voltage is distorted. 2. Check whether the incoming cable of the power grid is disconnected.	
		The grid voltage sampling is abnormal.	Check whether the grid voltage sampling is normal.	Check whether the grid voltage sampling is normal.	
		The rated frequency of the grid (d0-01) is set incorrectly.	Check whether the rated frequency (d0-01) of the grid is set correctly.	Check whether the rated frequency (d0-01) of the grid is set correctly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
83-1	InoLink: address conflict	Duplicate node addresses exist in the InoLink network.	0:分闸	0:分闸	自动复位

		Cause	Check method	Solution	
		Duplicate node addresses exist in the InoLink network.	Check whether the same node address exists in n0-02 (Local node address) of the drive in the InoLink network.	Set a unique address to each node in the InoLink network.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
83-2	InoLink: Communication offline	Inolink is enabled and no node data is received within the preset time.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		InoLink is connected improperly or disconnected.	1. Check whether RS485 circuit is connected properly. 2. Check whether RS485 is connected reversely.	Ensure that the RS485 cable is connected properly.	
		The termination resistor is improper.	1. Check whether the termination resistor is connected. 2. Check whether the resistance of the termination resistor is proper.	Ensure that the DIP switch of the termination resistor is set properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

<table>
<tr><td rowspan="6">83-3</td><td rowspan="6">InoLink: receiver offline</td><td>The fault 83-3 is triggered when InoLink is enabled but the specified data of the specified node is not received and such status lasts for a period of time longer than the data reception timeout threshold.</td><td>0:分闸</td><td>0:分闸</td><td>手动复位</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
<tr><td>The specified node is not online.</td><td>Check that the wiring is correct.</td><td colspan="2">Ensure that the wiring is correct.</td></tr>
<tr><td>The specified node address does not exist.</td><td>Check whether the node address is set improperly.</td><td colspan="2">Ensure that the node address is set correctly.</td></tr>
<tr><td>The termination resistor is improper.</td><td>1. Check whether the termination resistor is connected. 2. Check whether the resistance of the termination resistor is suitable.</td><td colspan="2">Check whether the DIP switch of the termination resistor is set correctly.</td></tr>
<tr><td>Other fault causes lead to the fault.</td><td>Contact Inovance for technical support.</td><td colspan="2">Contact Inovance for technical support.</td></tr>
<tr><td>Fault code</td><td>Fault name</td><td>Cause</td><td>Fault level</td><td>Default fault level</td><td>Reset method</td></tr>
<tr><td rowspan="5">83-4</td><td rowspan="5">InoLink communication: The local address is the node address for data reception.</td><td>The data of this node is received during InoLink communication.</td><td>6:仅显示警告</td><td>6:仅显示警告</td><td>自动复位</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
<tr><td>Parameters are set improperly.</td><td>Check the setting of the data reception node.</td><td colspan="2">Check that the data reception node is set properly.</td></tr>
<tr><td>The data of local node is received.</td><td>Check whether the same node is set in the communication circuit.</td><td colspan="2">Ensure that no identical node is set in the communication circuit.</td></tr>
</table>

Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
85-1	Internal data exchange error	Internal data exchange errors of the HCU are detected.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
85-3	State machine out of range	The state machine is detected to be out of range.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
85-4	Interrupt generated by error	Abnormal interrupt is detected.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
85-5	HCU internal data synchronization error	An internal data synchronization error of the HCU is detected.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		DSP or FPGA software programming is performed.	Contact Inovance for technical support.	Fault reset	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
86-1	Phase R phase current too low	The phase R current is much lower than that of phases S and T.	0:分闸	0:分闸	手动复位

		Cause	Check method	Solution	
		Phase R loss occurs on the power grid.	Check whether phase R is missing in the power grid.	Ensure that phase R is not missing in the power grid.	
		The main circuit of phase R of the drive is wired improperly.	Check whether the main circuit of phase R of the drive is wired improperly.	Ensure that the main circuit of phase R of the drive is wired properly.	
		The phase R of the main circuit breaker is not closed.	Check whether phase R of the main circuit breaker is normal.	Ensure that phase R of the main circuit breaker is normal.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
86-2	Phase S current too low	The phase S current is much lower than that of phases R and T.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The phase S is missing in the power grid.	Check whether phase S is missing in the power grid.	Ensure that phase S is not missing in the power grid.	
		The main circuit of phase S of the drive is wired properly.	Check whether the main circuit of phase S of the drive is wired properly.	Ensure that the main circuit of phase S of the drive is wired properly.	
		The phase S of the main circuit breaker is not closed.	Check whether the phase S of the main circuit breaker is normal.	Ensure that the phase S of the main circuit breaker is normal.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
86-3	Phase T current too low	The phase T current is much lower than that of phases R and S.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		Phase T is missing in the power grid.	Check whether phase T is missing in the power grid.	Ensure that phase T is not missing in the power grid.	
		The main circuit of phase T of the drive is wired improperly.	Check whether the main circuit of phase T of the drive is wired properly.	Ensure that the main circuit of phase T of the drive is connected properly.	
		The phase T of the main circuit breaker is not closed.	Check whether phase T of the main circuit breaker is normal.	Ensure that phase T of the main circuit breaker is normal.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
88-1	Model code not exist	The model set by A3-00 or the model saved in HINT does not exist.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The model saved on HINT does not exist.	Reset A3-00 (Model setting) and download it to the HINT board to check whether the fault is cleared.	Ensure that the power module matches the HCU type.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
88-2	Model parameter changed	The model parameters are changed but not downloaded.	2:停止运行	2:停止运行	自动复位
		Cause	Check method	Solution	
		The model parameters (A3-00 and A3-11) have been changed but not downloaded.	Download the parameters to be modified and check whether the fault is cleared.	Download the parameters to be modified.	

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
88-3	Model parameters are mismatched.	The model set by HCU is inconsistent with the model read by HINT.	2:停止运行	2:停止运行	自动复位
		Cause	Check method	Solution	
		The HCU has been replaced.	Check whether ratings set in group A2 match the power unit.	Check whether ratings set in group A2 match the power unit. If yes, reset the fault directly; if not, contact Inovance for technical support.	
		The power unit has been replaced.	Check whether ratings set in group A2 match the power unit.	Check whether ratings set in group A2 match the power unit. If yes, reset the fault directly; if not, contact Inovance for technical support.	
		Only the HINT has been replaced.	Reset the model and correction parameters.	Contact Inovance technical support to reset the model and correction parameters.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
88-4	Inconsistent model code	In the parallel mode, not all the model codes in the power modules are consistent.	2:停止运行	2:停止运行	自动复位
		Cause	Check method	Solution	
		In the parallel mode, not all the power module models are consistent.	Check whether the nameplate parameters of each module are consistent.	1. Ensure that the nameplate parameters of each module are consistent. 2. Contact Inovance technical support.	
		Only the HINT has been replaced.	Reset the model and correction parameters.	Contact Inovance technical support to reset the model and correction parameters.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

88-5	Model setting read error	A RUN command is executed when the model is not properly read.	2:停止运行	2:停止运行	自动复位
		Cause	Check method	Solution	
		A RUN command is executed when the model is not properly read.	Contact Inovance for technical support.	Wait until the model read operation is completed.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
88-6	Mismatch between model and software	The power-related model parameters are not suitable for the controller software, and the controller cannot work properly.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The model parameter does not match the software type of the current controller.	Re-check the mapping relationship between the model needed and the software type.	1. Check whether the HCU controller software type matches the function unit. 2. If the power unit type is not the one expected, replace with a correct power unit. 3. If the software type of the HCU controller is not the one expected, replace with the correct HCU controller.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
88-7	Unknown PM-code	The HCU does not support the model code read from the HINT.	0:分闸	0:分闸	自动复位
		Cause	Check method	Solution	
		The model code of the power module does not match the software type of current controller.	1. Check the model code of the power module and replace the power module. 2. Set A3-00 correctly and download the model parameter.	1. Check the model code of the power module and replace the power module. 2. Set A3-00 correctly and download the model parameter.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

88-8	Unknown model code found	The HCU does not support the model code set by A3-00.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The set model code does not match the software type of the current controller.	Set A3-00 properly and download the model parameter.	Set A3-00 properly and download the model parameter.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
88-9	Correction coefficient out-of-range	The correction coefficient read from the HINT is beyond the normal range.	2:停止运行	2:停止运行	自动复位
		Cause	Check method	Solution	
		The correction coefficient of the power module is set incorrectly.	Check whether the correction coefficient is set properly.	Set the correction coefficient properly and download the correction parameters.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
89-1	The 24 V power supply voltage is excessively low.	The fault 89-1 is reported when the HCU control power supply is lower than 18.5 V. The alarm 89-1 is reported when the HCU control circuit power supply is lower than 21 V.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		The 24 V control circuit power supply of HCU is abnormal.	Check whether the HCU control circuit voltage is within 24 V±10%.	Check whether the HCU control circuit power supply is too low.	
		The 24 V output is short-circuited.	Check whether the 24 V output (J11 position on the HCU) is short-circuited.	Ensure that the 24 V (J11 position on HCU) output is normal.	

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
91-1	Mode setting conflict	The single/parallel mode of parallel function selection (A15-00) is inconsistent with the actual detected result.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		A15-00 (Parallel function selection) is set to 0, and HCU is connected to HPCU.	Check whether the HCU is connected to HPCU when A15-00 (Parallel function selection) is set to 0.	When HCU is connected to HPCU, A15-00 (Parallel function selection) needs to be set to 1 (Parallel).	
		A15-00 (Parallel function selection) is set to 1 (Parallel), and the HCU is connected to HINT directly.	Check whether the HCU is connected to HINT directly when A15-00 (Parallel function selection) is set to 1.	When the HCU is directly connected to HINT, A15-00 (Parallel function selection) needs to be set to 0.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

<table>
<tr><td rowspan="5">91-2</td><td rowspan="5">Enabled modules and online modules inconsistent</td><td>A15-02 (Parallel module enable selection 1) and A15-03 (Parallel module enable selection 2) are set to values inconsistent with the actual number of online modules. The parallel module 1 should correspond to CH1, the parallel module 2 should correspond to CH2, and the parallel module 10 should correspond to CH10.</td><td>0:分闸
2:停止运行
6:仅显示警告</td><td>0:分闸
6:仅显示警告</td><td>手动复位</td></tr>
<tr><td>Cause</td><td>Check method</td><td colspan="2">Solution</td></tr>
<tr><td>A15-02 (Parallel module enable selection 1) and A15-03 (Parallel module enable selection 2) are set improperly.</td><td>Check whether A15-02 (Parallel module enable selection 1) and A15-03 (Parallel module enable selection 2) are set improperly.</td><td colspan="2">Set A15-02 (Parallel module enable selection 1) and A15-03 (Parallel module enable selection 2) again.</td></tr>
<tr><td>The optical fiber circuit of the module is abnormal.</td><td>Check the connection circuit of the offline module according to the information displayed by A15-05 (Online display 1 of parallel module) and A15-06 (Online display 2 of parallel module).</td><td colspan="2">Ensure that the connection circuit of the offline module is normal according to the information displayed by A15-05 (Online display 1 of parallel module) and A15-06 (Online display 2 of parallel module).</td></tr>
<tr><td>Other fault causes lead to the fault.</td><td>Contact Inovance for technical support.</td><td colspan="2">Contact Inovance for technical support.</td></tr>
</table>

Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
91-3	HINT type conflict	In parallel mode, the HINT software type or model is inconsistent.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		The HINT software or models are inconsistent.	Check whether the HINT is replaced incorrectly.	Ensure that the HINT is correct.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
91-4	HPCU offline	In parallel mode, the HCU does not receive HPCU data.	0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		The HPCU power supply is abnormal.	Check whether the HPCU power supply is normal.	Ensure that the HPCU power supply is normal.	
		The optical fiber is connected improperly.	Check whether the HPCU and HCU are properly connected.	Ensure that the HPCU and HCU optical fibers are connected properly.	
		The model of the HPCU module is incorrect.	Check whether the HPCU nameplate information is correct.	Ensure that the HPCU nameplate information is correct.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
91-5	HINT not ready		0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
91-6	HPCU not ready		0:分闸 2:停止运行 6:仅显示警告	0:分闸 6:仅显示警告	手动复位
		Cause	Check method	Solution	

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
92-5	Bus voltage measurement error in parallel mode	In the parallel mode, the deviation between the bus voltage of a module and the average bus voltage is higher than the threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The quick-acting fuse of the DC bus is damaged.	Check whether the quick-acting fuse of the DC bus is damaged.	Replace the quick-acting fuse of the DC bus.	
		The DC bus of the module is not connected.	Check whether the DC bus of the module is connected.	Re-connect the DC bus.	
		The DC bus voltage sampling is not calibrated or correction is incorrect.	1. Measure the actual DC bus voltage with a multimeter and calibrate the voltage again. 2. If the HINT is replaced, re-calibrate the DC bus voltage.	1. Measure the actual DC bus voltage with a multimeter. Enable the correction module only in the parallel module enable selection, and perform correction again. 2. If the HINT is replaced, perform correction again.	
		The hardware sampling circuit is abnormal.	Check whether the hardware sampling circuit is abnormal.	Ensure that the hardware sampling circuit is normal.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
100-1	Fault information generated		0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
100-2	Subcode error		0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
100-3	Main fault code error		0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
100-4	Data exchange error		0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
101-1	HINT type not matching HCU	The HINT type does not match the HCU.	2:停止运行	2:停止运行	自动复位
		Cause	Check method	Solution	

		Software types of HCU and HINT do not match.	1. Check the mapping relationship between the model needed and the software type again. 2. If the power unit type is not the one expected, replace with a correct power unit. 3. If the software type of the HCU controller is not the one expected, replace with the correct HCU controller.	1. Check the mapping relationship between the model needed and the software type again. 2. If the power unit type is not the one expected, replace with a correct power unit. 3. If the software type of the HCU controller is not the one expected, replace with the correct HCU controller.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
101-2	HINT software version not match		2:停止运行	2:停止运行	自动复位
		Cause	Check method	Solution	
		In the parallel mode, the software versions of HINT modules do not match each other.	Check whether software versions of HINT modules match each other in the parallel mode.	1. Check whether the HINT board replaced is correct. 2. Update the HINT software version to ensure version consistency.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
102-1	HINT model parameter reading error	In the "ready to run" state, timeout occurs when reading HINT model parameters.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		Timeout occurred when reading model parameters	1. Power on the HCU control circuit power supply again. 2. Switch on the HINT power supply again. 3. Set model-related parameters properly and download model parameters.	1. Power on the HCU control circuit power supply again. 2. Switch on the HINT power supply again. 3. Set model-related parameters properly and download model parameters.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
144-4	Synchronous voltage detection module activated but offline	The HSVM is connected improperly or the expansion slot is set improperly.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The HSVM expansion slot number is set incorrectly.	Check whether the HSVM expansion slot selection (n19-00) is set correctly.	Ensure that the HSVM expansion slot selection (n19-00) is set correctly.	
		The optical fiber of the HSVM module is not connected.	Check whether HSVM module optical fiber is connected properly.	Ensure that HSVM module optical fiber is connected properly.	
		The HSVM module is not powered on.	Check whether the power supply of the HSVM module operates properly.	Ensure that the power supply for the HSVM module operates properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
144-11	Fan detection module 1 activated but offline	HFAN-10 is connected improperly or the expansion slot is set improperly.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		The HFAN-10 expansion slot number is set incorrectly.	Check whether the HFAN-10 expansion slot selection (E7-40) is set correctly.	Ensure that the HFAN-10 expansion slot selection (E7-40) is set correctly.	
		The optical fiber of the HFAN-10 module is not connected.	Check whether HFAN-10 module optical fiber is connected properly.	Ensure that HFAN-10 module optical fiber is connected properly.	
		The HFAN-10 module is not powered on.	Check whether the power supply of the HFAN-10 module operates properly.	Ensure that the power supply of the HFAN-10 module operates properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
144-12	Fan detection module 2 activated but offline	HFAN-10 is connected improperly or the expansion slot is set improperly.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The HFAN-10 expansion slot number is set incorrectly.	Check whether the HFAN-10 expansion slot selection (E7-48) is set correctly.	Ensure that the HFAN-10 expansion slot selection (E7-48) is set correctly.	
		The optical fiber of the HFAN-10 module is not connected.	Check whether HFAN-10 module optical fiber is connected properly.	Ensure that HFAN-10 module optical fiber is connected properly.	
		The HFAN-10 module is not powered on.	Check whether the power supply of the HFAN-10 module operates properly.	Ensure that the power supply of the HFAN-10 module operates properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
144-13	Fan detection module 3 activated but offline	HFAN-10 is connected improperly or the expansion slot is set improperly.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		The HFAN-10 expansion slot number is set incorrectly.	Check whether the HFAN-10 expansion slot selection (E7-56) is set correctly.	Ensure that the HFAN-10 expansion slot selection (E7-56) is set correctly.	
		The optical fiber of the HFAN-10 module is not connected.	Check whether HFAN-10 module optical fiber is connected properly.	Ensure that HFAN-10 module optical fiber is connected properly.	
		The HFAN-10 module is not powered on.	Check whether the power supply of the HFAN-10 module operates properly.	Ensure that the power supply of the HFAN-10 module operates properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
156-1	Communication error between fieldbus adapter A and host controller	The fieldbus adapter A receives no valid data within 200 ms.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The external bus is disconnected.	1. Check whether the circuit is disconnected or connected improperly. 2. Check whether the master PLC operates properly.	1. Ensure that the wiring is correct. 2. Check whether the master PLC operates properly.	
		The wiring is incorrect.	1. Check that the wiring for transmission and reception is proper. 2. Check whether the connector is crimped properly. 3. Check whether the positive/negative polarity of the circuit is correct.	1. Ensure that the wiring for reception and transmission is correct. 2. Ensure that the connector is crimped properly. 3. Ensure that the positive and negative polarity of the circuit is correct.	

		The termination resistor is improper.	1. Check whether the termination resistor is connected. 2. Check whether the resistance of the termination resistor is suitable.	Ensure that the resistance of the termination resistor is proper.	
		A check bit error occurs during PROFIBUS-DP communication.	Check whether n16-10 [DP data check bit] is set properly.	Ensure that the DP data check bit (n16-10) is selected properly.	
		Parameters are set improperly.	1. Check whether the communication baud rate is consistent. 2. Check whether the communication station number is incorrect or repetitive.	1. Ensure that the communication baud rate is consistent. 2. Ensure that the communication station number is correct and does not come into conflict with each other.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
156-2	Communication error between fieldbus adapter B and host controller	The fieldbus adapter receives no valid data within 200 ms.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The external bus is disconnected.	1. Check whether the circuit is disconnected or connected improperly. 2. Check whether the master PLC operates properly.	1. Ensure that the wiring is correct. 2. Check whether the master PLC operates properly.	

		The wiring is incorrect.	1. Check that the wiring for transmission and reception is proper. 2. Check whether the connector is crimped properly. 3. Check whether the positive/negative polarity of the circuit is correct.	1. Ensure that the wiring for reception and transmission is correct. 2. Ensure that the connector is crimped properly. 3. Ensure that the positive and negative polarity of the circuit is correct.	
		The termination resistor is improper.	1. Check whether the termination resistor is connected. 2. Check whether the resistance of the termination resistor is suitable.	Ensure that the resistance of the termination resistor is proper.	
		A check bit error occurs during PROFIBUS-DP communication.	Check whether n16-10 [DP data check bit] is set properly.	Ensure that the DP data check bit (n16-10) is selected properly.	
		Parameters are set improperly.	1. Check whether the communication baud rate is consistent. 2. Check whether the communication station number is incorrect or repetitive.	1. Ensure that the communication baud rate is consistent. 2. Ensure that the communication station number is correct and does not come into conflict with each other.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

156-3	Communication error between fieldbus adapter C and host controller	The redundant fieldbus adapter does not receive valid data within 200 ms continuously.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The external bus is disconnected.	1. Check whether the circuit is disconnected or connected improperly. 2. Check whether the master PLC operates properly.	1. Ensure that the wiring is correct. 2. Check whether the master PLC operates properly.	
		The wiring is incorrect.	1. Check that the wiring for transmission and reception is proper. 2. Check whether the connector is crimped properly. 3. Check whether the positive/negative polarity of the circuit is correct.	1. Ensure that the wiring for reception and transmission is correct. 2. Ensure that the connector is crimped properly. 3. Ensure that the positive and negative polarity of the circuit is correct.	
		The termination resistor is improper.	1. Check whether the termination resistor is connected. 2. Check whether the resistance of the termination resistor is proper.	Ensure that the resistance of the termination resistor is proper.	
		A check bit error occurs during PROFIBUS-DP communication.	Check whether n16-10 [DP data check bit] is set properly.	Ensure that the DP data check bit (n16-10) is selected properly.	

		Parameters are set improperly.	1. Check whether the communication baud rate is consistent. 2. Check whether the communication station number is incorrect or repetitive.	1. Ensure that the communication baud rate is consistent. 2. Ensure that the communication station number is correct and does not come into conflict with each other.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
156-4	Bus adapter A data CRC error	The number of consecutive CRC errors in data received by the fieldbus adapter reaches 10.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The communication circuit has been disturbed.	1. Check whether the cable is connected properly. 2. Check whether the cable shield is grounded properly.	1. Ensure that the wiring is correct. 2. Ensure that the shield of the line is grounded properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
156-5	Bus adapter B data CRC error	The number of consecutive data CRC errors received by the fieldbus adapter B reaches 10.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		The communication circuit has been disturbed.	1. Check whether the cable is connected properly. 2. Check whether the cable shield is grounded properly.	1. Ensure that the wiring is correct. 2. Ensure that the shield of the line is grounded properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
156-6	Bus adapter C data CRC error	The number of consecutive CRC errors in the data received by the redundant fieldbus adapter reaches 10.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The communication circuit has been disturbed.	1. Check whether the cable is connected properly. 2. Check whether the cable shield is grounded properly.	1. Ensure that the wiring is correct. 2. Ensure that the shield of the line is grounded properly.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
170-1	<I/O expansion module 1> DIO output wiring short-circuited	When DIO is used for output, the output cable is short-circuited.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		When DIO is used for output, the output cable is short-circuited.	Check whether DIO pin that used as output is short-circuited.	Ensure that each DIO pin that used as output is not short-circuited.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

170-2	<I/O expansion module 2> DIO output wiring short-circuited	When DIO is used for output, the output cable is short-circuited.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		When DIO is used for output, the output cable is short-circuited.	Check whether DIO pin that used as output is short-circuited.	Ensure that each DIO pin that used as output is not short-circuited.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
170-3	<I/O expansion module 3> DIO output wiring short-circuited	When DIO is used for output, the output cable is short-circuited.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		When DIO is used for output, the output cable is short-circuited.	Check whether DIO pin that used as output is short-circuited.	Ensure that each DIO pin that used as output is not short-circuited.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
170-4	<I/O expansion module 1> AI input disconnected	When a current signal (4 mA to 20 mA) is selected as AI, the input current is lower than the set minimum threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The input current is excessively low.	1. Check whether the input voltage of the AI is normal. 2. Check whether the AI input voltage/current of the I/O expansion module is selected properly.	1. Ensure that the wiring of the AI input is normal. 2. Check whether the AI input voltage/current of the I/O expansion module is selected properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

170-5	<I/O expansion module 2> AI input disconnected	When a current signal (4 mA to 20 mA) is selected as AI, the input current is lower than the set minimum threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The input current is excessively low.	1. Check whether the input voltage of the AI is normal. 2. Check whether the AI input voltage/current of the I/O expansion module is selected properly.	1. Ensure that the wiring of the AI input is normal. 2. Check whether the AI input voltage/current of the I/O expansion module is selected properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
170-6	<I/O expansion module 3> AI input disconnected	When a current signal (4 mA to 20 mA) is selected as AI, the input current is lower than the set minimum threshold.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The input current is excessively low.	1. Check whether the input voltage of the AI is normal. 2. Check whether the AI input voltage/current of the I/O expansion module is selected properly.	1. Ensure that the wiring of the AI input is normal. 2. Check whether the AI input voltage/current of the I/O expansion module is selected properly.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
170-7	<I/O expansion module 1> EEPROM operation error	The attempt to write EEPROM data fails.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		The attempt to write EEPROM data fails.	1. Re-write correction parameters. 2. Replace the I/O expansion module.	1. Re-write correction parameters. 2. Replace the I/O expansion module.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
170-8	<I/O expansion module 2> EEPROM operation error	The attempt to write EEPROM data fails.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The attempt to write EEPROM data fails.	1. Re-write correction parameters. 2. Replace the I/O expansion module.	1. Re-write correction parameters. 2. Replace the I/O expansion module.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
170-9	<I/O expansion module 3> EEPROM operation error	The attempt to write EEPROM data fails.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	
		The attempt to write EEPROM data fails.	1. Re-write correction parameters. 2. Replace the I/O expansion module.	1. Re-write correction parameters. 2. Replace the I/O expansion module.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
170-10	<I/O expansion module 1> correction coefficient error	Default AI/AO correction parameters are abnormal.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		Default AI/AO correction parameters are abnormal.	Check n7-15 (AI status word of expansion module feedback state) and modify the corresponding correction coefficient. 1. When bit3/7/11 of n7-15 are set to 1, correction parameters of AI1/AI2/AI3 are abnormal. 2. When bit13/14/15 of n7-15 are set to 1, correction parameters of AO1/AO2/AO3 are abnormal.	Check n7-15 (AI status word of expansion module feedback state) and modify the corresponding correction coefficient.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
170-11	<I/O expansion module 2> correction coefficient error	Default AI/AO correction parameters are abnormal.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		Default AI/AO correction parameters are abnormal.	Check n8-15 (AI status word of expansion module feedback state) and modify the corresponding correction coefficient. 1. When bit3/7/11 of n8-15 are set to 1, correction parameters of AI1/AI2/AI3 are abnormal. 2. When bit13/14/15 of n8-15 are set to 1, correction parameters of AO1/AO2/AO3 are abnormal.	Check n8-15 (AI status word of expansion module feedback state) and modify the corresponding correction coefficient.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
170-12	<I/O expansion module 3> correction coefficient error	Default AI/AO correction parameters are abnormal.	0:分闸	0:分闸	手动复位
		Cause	Check method	Solution	

		Default AI/AO correction parameters are abnormal.	Check n9-15 (AI status word of expansion module feedback state) and modify the corresponding correction coefficient. 1. When bit3/7/11 of n9-15 are set to 1, correction parameters of AI1/AI2/AI3 are abnormal. 2. When bit13/14/15 of n9-15 are set to 1, correction parameters of AO1/AO2/AO3 are abnormal.	Check n9-15 (AI status word of expansion module feedback state) and modify the corresponding correction coefficient.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
172-1	Phase R module pre-overtemperature	Phase R temperature ⩾ Overtemperature threshold – Module pre-overtemperature threshold (A4-19) (5°C by default)	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The ambient temperature is high.	Check whether the ambient temperature is too high. Reduce the ambient temperature to check whether the fault is cleared.	Reduce the ambient temperature to ensure that the air inlet temperature does not exceed 40°C.	
		The load is too heavy.	Check whether the load is excessively high.	Reduce the load.	

		The air duct is blocked.	Check whether the air duct is blocked.	Clean the air duct.	
		The fan is operating abnormally. 1. The fan stops or the speed is low. 2. The fan power supply board is abnormal.	Check whether the fan works properly.	1. Replace the damaged fan. 2. Replace the power supply board of the fan.	
		The thermistor of the module is abnormal.	Contact Inovance for technical support.	Contact Inovance for technical support.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
172-2	Phase S module pre-overtemperature	Phase S temperature ⩾ Overtemperature threshold – Module pre-overtemperature threshold (A4-19) (5°C by default)	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The ambient temperature is high.	Check whether the ambient temperature is too high. Reduce the ambient temperature to check whether the fault is cleared.	Reduce the ambient temperature to ensure that the air inlet temperature does not exceed 40°C.	
		The load is too heavy.	Check whether the load is excessively high.	Reduce the load.	
		The air duct is blocked.	Check whether the air duct is blocked.	Clean the air duct.	

		The fan is operating abnormally. 1. The fan stops or the speed is low. 2. The fan power supply board is abnormal.	Check whether the fan works properly.	1. Replace the damaged fan. 2. Replace the power supply board of the fan.	
		The thermistor of the module is abnormal.	Contact Inovance for technical support.	Contact Inovance for technical support.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
172-3	Phase T module pre-overtemperature	Phase T temperature ≥ Overtemperature threshold – Module pre-overtemperature threshold (A4-19) (5°C by default)	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The ambient temperature is high.	Check whether the ambient temperature is too high. Reduce the ambient temperature to check whether the fault is cleared.	Reduce the ambient temperature to ensure that the air inlet temperature does not exceed 40°C.	
		The load is too heavy.	Check whether the load is excessively high.	Reduce the load.	
		The air duct is blocked.	Check whether the air duct is blocked.	Clean the air duct.	

		The fan is operating abnormally. 1. The fan stops running or the speed is low. 2. The power supply board of the fan is abnormal.	Check whether the fan works properly.	1. Replace the damaged fan. 2. Replace the power supply board of the fan.	
		The thermistor of the module is abnormal.	Contact Inovance for technical support.	Contact Inovance for technical support.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
183-4	InoLink communication: The local address is the node address for data reception.	The data of this node is received during InoLink communication.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		Parameters are set improperly.	Check the setting of the data reception node.	Check that the data reception node is set properly.	
		The data of local node is received.	Check whether the same node is set in the communication circuit.	Ensure that no identical node is set in the communication circuit.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
197-1	EX-FLASH 1 read/write error	An error occurred during reading/writing data in EX-FLASH 1 or a hardware error occurred.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		An error occurred during reading/writing data in EX-FLASH 1.	1. Power on the HCU control power supply again. 2. Clear the log through A8-00 (Parameter reset mode).	1. Power on the HCU control power supply again. 2. Clear the log through A8-00 (Parameter reset mode).	

		EX-FLASH1 hardware error	1. Turn off the EX-FLASH error alarm through H0-40 (log error not reported). 2. Replace the HCU or contact Inovance technical support.	1. Turn off the EX-FLASH error alarm through H0-40 (log error not reported). 2. Replace the HCU or contact Inovance technical support.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
210-1	Cabinet fan DI1 error (fan detection module 1)	DI6 of the fan detection module is used as the signal indicating low level input trigger error. If DI6 is not used, short 24 V or you can disable the detection on fan detection module 1 fault through E7-46.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The fan corresponding to DI1 is abnormal.	Check whether the fan corresponding to DI1 of the fan detection card module 1 operates properly.	Ensure that the fan corresponding to DI1 input of fan detection card module 1 is normal.	
		DI1 is not used and the hardware is not shielded.	Check whether DI1 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI1 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

210-2	Cabinet fan DI2 error (fan detection module 1)	DI2 of the fan detection module is used as the signal indicating low level input trigger error. If DI2 is not used, short 24 V or you can disable the detection on fan detection module 1 fault through E7-46.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The fan corresponding to DI2 is abnormal.	Check whether the fan corresponding to DI2 input of fan detection module 1 is normal.	Ensure that the fan corresponding to DI2 input of fan detection module 1 is normal.	
		DI2 is not used and the hardware is not shielded.	Check whether DI2 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI2 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
210-3	Cabinet fan DI3 error (fan detection module 1)	DI3 of the fan detection module is used as the signal indicating low level input trigger error. If DI3 is not used, short 24 V or you can disable the detection on fan detection module 1 fault through E7-46.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		The fan corresponding to DI3 is abnormal.	Check whether the fan corresponding to DI3 input of fan detection module 1 is normal.	Ensure that the fan corresponding to DI3 input of fan detection module 1 is normal.	
		DI3 is not used and the hardware is not shielded.	Check whether DI3 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI3 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
210-4	Cabinet fan DI4 error (fan detection module 1)	DI4 of the fan detection module is used as the signal indicating low level input trigger error. If DI4 is not used, short 24 V or you can disable the detection on fan detection module 1 fault through E7-46.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The fan corresponding to DI4 is abnormal.	Check whether the fan corresponding to DI4 input of fan detection module 1 is normal.	Ensure that the fan corresponding to DI4 input of fan detection module 1 is normal.	
		DI4 is not used and the hardware is not shielded.	Check whether DI4 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI4 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

210-5	Cabinet fan DI5 error (fan detection module 1)	DI5 of the fan detection module is used as the signal indicating low level input trigger error. If DI5 is not used, short 24 V or you can disable the detection on fan detection module 1 fault through E7-46.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The fan corresponding to DI5 is abnormal.	Check whether the fan corresponding to DI5 input of fan detection module 1 is normal.	Ensure that the fan corresponding to DI5 input of fan detection module 1 is normal.	
		DI5 is not used and the hardware is not shielded.	Check whether DI5 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI5 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
210-6	Cabinet fan DI6 error (fan detection module 1)	DI6 of the fan detection module is used as the signal indicating low level input trigger error. If DI6 is not used, short 24 V or you can disable the detection on fan detection module 1 fault through E7-46.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		The fan corresponding to DI6 is abnormal.	Check whether the fan corresponding to DI6 input of fan detection module 1 is normal.	Ensure that the fan corresponding to DI6 input of fan detection module 1 is normal.	
		DI6 is not used and the hardware is not shielded.	Check whether DI6 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI6 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
211-1	Cabinet fan DI1 error (fan detection module 2)	DI1 of the fan detection module is used as the signal indicating low level input trigger error. If DI1 is not used, short 24 V or you can disable the detection on fan detection module 2 fault through E7-54.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The fan corresponding to DI1 is abnormal.	Check whether the fan corresponding to DI1 input of fan detection module 1 is normal.	Ensure that the fan corresponding to DI1 input of fan detection module 1 is normal.	
		DI1 is not used and the hardware is not shielded.	Check whether DI1 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI1 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

211-2	Cabinet fan DI2 error (fan detection module 2)	DI2 of the fan detection module is used as the signal indicating low level input trigger error. If DI2 is not used, short 24 V or you can disable the detection on fan detection module 2 fault through E7-54.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The fan corresponding to DI2 is abnormal.	Check whether the fan corresponding to DI2 input of fan detection module 2 is normal.	Ensure that the fan corresponding to DI2 input of fan detection module 2 is normal.	
		DI2 is not used and the hardware is not shielded.	Check whether DI2 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI2 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
211-3	Cabinet fan DI3 error (fan detection module 2)	DI3 of the fan detection module is used as the signal indicating low level input trigger error. If DI3 is not used, short 24 V or you can disable the detection on fan detection module 2 fault through E7-54.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		The fan corresponding to DI3 is abnormal.	Check whether the fan corresponding to DI3 of the fan detection card module 2 operates properly.	Ensure that the fan corresponding to DI3 input of fan detection card module 2 is normal.	
		DI3 is not used and the hardware is not shielded.	Check whether DI3 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI3 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
211-4	Cabinet fan DI4 error (fan detection module 2)	DI4 of the fan detection module is used as the signal indicating low level input trigger error. If DI4 is not used, short 24 V or you can disable the detection on fan detection module 2 fault through E7-54.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The fan corresponding to DI4 is abnormal.	Check whether the fan corresponding to DI4 input of fan detection module 2 is normal.	Ensure that the fan corresponding to DI4 input of fan detection module 2 is normal.	
		DI4 is not used and the hardware is not shielded.	Check whether DI4 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI4 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	

Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
211-5	Cabinet fan DI5 error (fan detection module 2)	DI5 of the fan detection module is used as the signal indicating low level input trigger error. If DI5 is not used, short 24 V or you can disable the detection on fan detection module 2 fault through E7-54.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The fan corresponding to DI5 is abnormal.	Check whether the fan corresponding to DI5 input of fan detection module 2 is normal.	Ensure that the fan corresponding to DI5 input of fan detection module 2 is normal.	
		DI5 is not used and the hardware is not shielded.	Check whether DI5 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI5 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
211-6	Cabinet fan DI6 error (fan detection module 2)	DI6 of the fan detection module is used as the signal indicating low level input trigger error. If DI6 is not used, short 24 V or you can disable the detection on fan detection module 2 fault through E7-54.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		The fan corresponding to DI6 is abnormal.	Check whether the fan corresponding to DI6 input of fan detection module 2 is normal.	Ensure that the fan corresponding to DI6 input of fan detection module 2 is normal.	
		DI6 is not used and the hardware is not shielded.	Check whether DI6 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI6 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
212-1	Cabinet fan DI1 error (fan detection module 3)	DI1 of the fan detection module is used as the signal indicating low level input trigger error. If DI1 is not used, short 24 V or you can disable the detection on fan detection module 3 fault through E7-62.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The fan corresponding to DI1 is abnormal.	Check whether the fan corresponding to DI1 input of fan detection module 3 is normal.	Ensure that the fan corresponding to DI1 input of fan detection module 3 is normal.	
		DI1 is not used and the hardware is not shielded.	Check whether DI1 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI1 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

212-2	Cabinet fan DI2 error (fan detection module 3)	DI2 of the fan detection module is used as the signal indicating low level input trigger error. If DI2 is not used, short 24 V or you can disable the detection on fan detection module 3 fault through E7-62.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The fan corresponding to DI2 is abnormal.	Check whether the fan corresponding to DI2 input of fan detection module 3 is normal.	Ensure that the fan corresponding to DI2 input of fan detection module 3 is normal.	
		DI2 is not used and the hardware is not shielded.	Check whether DI2 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI2 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
212-3	Cabinet fan DI3 error (fan detection module 3)	DI3 of the fan detection module is used as the signal indicating low level input trigger error. If DI3 is not used, short 24 V or you can disable the detection on fan detection module 3 fault through E7-62.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		The fan corresponding to DI3 is abnormal.	Check whether the fan corresponding to DI3 input of fan detection module 3 is normal.	Ensure that the fan corresponding to DI3 input of fan detection module 3 is normal.	
		DI3 is not used and the hardware is not shielded.	Check whether DI3 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI3 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
212-4	Cabinet fan DI4 error (fan detection module 3)	DI4 of the fan detection module is used as the signal indicating low level input trigger error. If DI4 is not used, short 24 V or you can disable the detection on fan detection module 3 fault through E7-62.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The fan corresponding to DI4 is abnormal.	Check whether the fan corresponding to DI4 input of fan detection module 3 is normal.	Ensure that the fan corresponding to DI4 input of fan detection module 3 is normal.	
		DI4 is not used and the hardware is not shielded.	Check whether DI4 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI4 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method

212-5	Cabinet fan DI5 error (fan detection module 3)	DI5 of the fan detection module is used as the signal indicating low level input trigger error. If DI5 is not used, short 24 V or you can disable the detection on fan detection module 3 fault through E7-62.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	
		The fan corresponding to DI5 is abnormal.	Check whether the fan corresponding to DI5 input of fan detection module 3 is normal.	Ensure that the fan corresponding to DI5 input of fan detection module 3 is normal.	
		DI5 is not used and the hardware is not shielded.	Check whether DI5 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI5 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
212-6	Cabinet fan DI6 error (fan detection module 3)	DI6 of the fan detection module is used as the signal indicating low level input trigger error. If DI6 is not used, short 24 V or you can disable the detection on fan detection module 3 fault through E7-62.	6:仅显示警告	6:仅显示警告	自动复位
		Cause	Check method	Solution	

		The fan corresponding to DI6 is abnormal.	Check whether the fan corresponding to DI6 of the fan detection card module 3 operates properly.	Ensure that the fan corresponding to DI6 input of fan detection card module 3 is normal.	
		DI6 is not used and the hardware is not shielded.	Check whether DI6 fan detection is required. If not, manually short 24 V or shield the software.	Check whether DI6 fan detection is required. If not, manually short 24 V or shield the software.	
		Other fault causes lead to the fault.	Contact Inovance for technical support.	Contact Inovance for technical support.	
Fault code	Fault name	Cause	Fault level	Default fault level	Reset method
255-1	The custom black box trigger command is activated.	Non-fault, indicating that the custom black box trigger command is activated			无
		Cause	Check method	Solution	
		It is triggered upon the rising edge of the custom black box trigger command source (H0-06).	Check whether the signal source of H0-06 (Custom black box trigger command source) is triggered upon the rising edge during operation.	Check whether the signal source of H0-06 (Custom black box trigger command source) is not triggered upon the rising edge during operation.	

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