EC DECLARATION OF CONFORMITY

CE

Suzhou Inovance Technology Co., Ltd.

No. 52, Tian E Dang Road, Wuzhong District, 215104, Suzhou City, Jiangsu Province, P.R. China
declares under sole responsibility conformity of the following products

Product	**AC Servo Drive**
Model	**SV680 Drive Series** **(See Annex for model list)**

with regard to the safety functions:

Safe torque off (STO) / Safe stop 1 (SS1) /
Safe operating stop (SOS) / Safe stop 2 (SS2) /
Safe limited speed (SLS) / Safe speed monitor (SSM) /
Safe direction (SDI) / Safe brake control (SBC)

fulfil all the relevant safety component requirements of EC Machinery Directive 2006/42/EC, When the listed safety function is used for safety component functionality.

Applied Harmonized Standards：

EN IEC 61800-5-3:2023	**EN 61800-5-2:2007**
EN 61508:2010 Part 1-3	**EN 61800-5-2:2017**
EN IEC 62061:2021+A1:2024	**EN ISO 13849-1:2023**

The product (s) also fulfil the relevant provisions of the Low Voltage Directive 2014/35/EU the Electromagnetic Compatibility Directive 2014/30/EU and the RoHS Directive 2011/65/EU. Declaration of Conformity according to these directives is available from the manufacturer.

Trade Mark	Monarch INOVANCE / iNOVA automation
The CE-marking was first affixed in	**23**
Name, Surname	**Yuchuan Liu**
Position/Title	**Vice-president, R&D**
Signature	Liu Yuchuan

Place/Date **Suzhou, 2025-05-01**

Name and address of the person authorized to compile the technical file:

Company name	**:**	**Inovance Technology Europe GmbH**
Position	**:**	**Engineering Services Manager**
Name	**:**	**Hans-Peter Abel**
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Certification body:
TÜV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Köln / Germany
Notified Body No.: 0035
Number of the EC type-examination certificate:
01/205/5893.01/25
The EC-Type examination only applies to the Machinery Directive: 2006/42/EC.

ANNEX

Model list:

SV680 N S 2R8 S-GINT
① ②③ ④ ⑤ ⑥

① **Product series**
SV680: SV680 general-purpose servo drive

② **Product type**
N: EtherCAT communication type
P: Pulse type + CANopen communication type

③ **Voltage class**
S: 200 V
T: 400 V

④ **Rated Output Current**
S: 200 V
1R6: 1.6 A
2R8: 2.8 A
5R5: 5.5 A
7R6: 7.6 A
012: 12.0 A
018: 18.0 A
022: 22.0 A
027: 27.0 A
T: 400 V
3R5: 3.5 A
5R4: 5.4 A
8R4: 8.4 A
012: 12.0 A
017: 17.0 A
021: 21.0 A
026: 26.0 A

⑤ **Modelconfiguration**
I: Standard type
S:Functional safety type

⑥ **Model configuration**
GINT: General (global version)
PINT: Backup power supply type (global version)

SV680 drive series product variants with safety functions Safe Torque Off (STO) / Safe Brake Control (SBC) / Safe Stop 1 (SS1) / Safe Operating Stop (SOS) / Safe Stop 2 (SS2) / Safely-Limited Speed (SLS) / Safe Speed Monitor (SSM) / Safe Direction (SDI)

Frame size	Product series	Model name	Rating
A	SV680N	SV680NS1R6S(a)	220V 1Phase,1.6A
	SV680N	SV680NS2R8S(a)	220V 1Phase,2.8A
C	SV680N	SV680NS5R5S(a)	220V 1Phase,5.5A
	SV680N	SV680NS7R6S(a)	220V 1Phase,7.6A
	SV680N	SV680NS012S(a)	220V 1Phase,12A
	SV680N	SV680NS018S(a)	220V 3Phase,18A
D	SV680N	SV680NS022S(a)	220V 3Phase,22A
	SV680N	SV680NS027S(a)	220V 3Phase,27A
	SV680N	SV680NT3R5S(a)	380V 3Phase,3.5A
E	SV680N	SV680NT5R4S(a)	380V 3Phase,5.4A
	SV680N	SV680NT8R4S(a)	380V 3Phase,8.4A
	SV680N	SV680NT012S(a)	380V 3Phase,12A
	SV680N	SV680NT017S(a)	380V 3Phase,17A
	SV680N	SV680NT021S(a)	380V 3Phase,21A

	SV680N	SV680NT026S(a)	380V 3Phase,26A
A	SV680P	SV680PS1R6S(a)	220V 1Phase,1.6A
	SV680P	SV680PS2R8S(a)	220V 1Phase,2.8A
C	SV680P	SV680PS5R5S(a)	220V 1Phase,5.5A
	SV680P	SV680PS7R6S(a)	220V 1Phase,7.6A
	SV680P	SV680PS012S(a)	220V 1Phase,12A
	SV680P	SV680PS018S(a)	220V 3Phase,18A
D	SV680P	SV680PS022S(a)	220V 3Phase,22A
	SV680P	SV680PS027S(a)	220V 3Phase,27A
	SV680P	SV680PT3R5S(a)	380V 3Phase,3.5A
E	SV680P	SV680PT5R4S(a)	380V 3Phase,5.4A
	SV680P	SV680PT8R4S(a)	380V 3Phase,8.4A
	SV680P	SV680PT012S(a)	380V 3Phase,12A
	SV680P	SV680PT017S(a)	380V 3Phase,17A
	SV680P	SV680PT021S(a)	380V 3Phase,21A
	SV680P	SV680PT026S(a)	380V 3Phase,26A

Remark

(a): The model number may include a suffix “XXXXXXXXXX”, Where “XXXXXXXXXX” can be blank or combination of any alphanumeric and/or symbols that represents customer identity.

SV680 drive series product variants with only safety function Safe Torque Off (STO)：

Frame size	Product series	Model name	Rating
A	SV680N	SV680NS1R6I(a)	220V 1Phase,1.6A
	SV680N	SV680NS2R8I(a)	220V 1Phase,2.8A
C	SV680N	SV680NS5R5I(a)	220V 1Phase,5.5A
	SV680N	SV680NS7R6I(a)	220V 1Phase,7.6A
	SV680N	SV680NS012I(a)	220V 1Phase,12A
	SV680N	SV680NS018I(a)	220V 3Phase,18A
D	SV680N	SV680NS022I(a)	220V 3Phase,22A
	SV680N	SV680NS027I(a)	220V 3Phase,27A
	SV680N	SV680NT3R5I(a)	380V 3Phase,3.5A
E	SV680N	SV680NT5R4I(a)	380V 3Phase,5.4A
	SV680N	SV680NT8R4I(a)	380V 3Phase,8.4A
	SV680N	SV680NT012I(a)	380V 3Phase,12A
	SV680N	SV680NT017I(a)	380V 3Phase,17A
	SV680N	SV680NT021I(a)	380V 3Phase,21A
	SV680N	SV680NT026I(a)	380V 3Phase,26A
A	SV680P	SV680PS1R6I(a)	220V 1Phase,1.6A
	SV680P	SV680PS2R8I(a)	220V 1Phase,2.8A
C	SV680P	SV680PS5R5I(a)	220V 1Phase,5.5A
	SV680P	SV680PS7R6I(a)	220V 1Phase,7.6A

	SV680P	SV680PS012I(a)	220V 1Phase,12A
	SV680P	SV680PS018I(a)	220V 3Phase,18A
D	SV680P	SV680PS022I(a)	220V 3Phase,22A
	SV680P	SV680PS027I(a)	220V 3Phase,27A
	SV680P	SV680PT3R5I(a)	380V 3Phase,3.5A
E	SV680P	SV680PT5R4I(a)	380V 3Phase,5.4A
	SV680P	SV680PT8R4I(a)	380V 3Phase,8.4A
	SV680P	SV680PT012I(a)	380V 3Phase,12A
	SV680P	SV680PT017I(a)	380V 3Phase,17A
	SV680P	SV680PT021I(a)	380V 3Phase,21A
	SV680P	SV680PT026I(a)	380V 3Phase,26A

Remark

(a): The model number may include a suffix “XXXXXXXXXX”, Where “XXXXXXXXXX” can be blank or combination of any alphanumeric and/or symbols that represents customer identity.

Encryption of the production serial number:

01050202 4 S 7 00001

① ②③④ ⑤

① **Internal code**
Product material code

② **Manufacturer code**
4: Suzhou Inovance

③ **Year**
9: 2009
A: 2010
…
S:2024
…
Note: I/LO/Q is not used

④ **Month**
1: January
2: February
...
A: October
B: November
C: December

⑤ **Lot number**
00001: 1st in current month
00002: 2nd in current month
00003: 3rd in current month
...
Range: 00001 to 99999