ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

C E R T I F I C A T E

No. Z10 080658 0386 Rev. 00

Holder of Certificate: **Suzhou Inovance Technology Co., Ltd.**
No.16, Youxiang Road, Yuexi Town, Wuzhong District
215104 Suzhou
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:

Product: **Safety components (AC Drives)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: SS100153C

Valid until: 2028-01-26

Date, 2023-01-27

(Christian Dirmeier)

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Parameters:

Rated input	See model list for detail
Rate output	See model list for detail
Temperature range	-10 to +50 °C
Humidity	Below 95% RH
Altitude	Below 3000 m
Safety function	STO (SIL 3, Cat. 3, PL e)

Tested according to:

ISO 13849-1:2015 (Cat. 3, PL e)
EN ISO 13849-1:2015 (Cat. 3, PL e)
IEC 61508-1:2010 (SIL 3)
IEC 61508-2:2010 (SIL 3)
EN 61508-1:2010 (SIL 3)
EN 61508-2:2010 (SIL 3)
IEC 61800-5-2:2016
EN 61800-5-2:2017
EN IEC 62061:2021 (maximum SIL 3)
IEC 62061:2021 (maximum SIL 3)

Model(s):

MD580 series

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Nomenclature of MD580 Series:

MD580	-4T	***	*	- *	(a)
I	II	III	IV	V	VI

Key	No.	Content
Product category	I	AC drive
Voltage class	II	4T: Three-phase 380 V to 480 V
Output current	III	2R1: 2.1A 3R1: 3.1A 3R8: 3.8A 5R1: 5.1A 7R2: 7.2A 9: 9A 13: 13A 17: 17A 25: 25A 32: 32A 37: 37A 45: 45A 60: 60A 75: 75A 91: 91A 112: 112A 150: 150A 176: 176A 210: 210A 253: 253A 304: 304A 377: 377A 426: 426A 465: 465A 520: 520A 585: 585A 650: 650A 725: 725A 820: 820A
Braking unit (Non-safety related)	IV	Null: not provided B: Braking provided
Reactor (Non-safety related)	V	Null: not provided -L: An output AC reactor is provided
Suffix (Non-safety related)	VI	(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.

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List of certified models:

Size	Model	Rated Input	Rated Output
T1	MD580-4T2R1B(a)	3PH AC 380-480V 1.8A/2.5A 50/60Hz	3PH AC 0-480V 1.5A/2.1A 0-599Hz 0.4kW/0.75kW
	MD580-4T3R1B(a)	3PH AC 380-480V 2.4A/3.7A 50/60Hz	3PH AC 0-480V 2.1A/3.1A 0-599Hz 0.75kW/1.1kW
	MD580-4T3R8B(a)	3PH AC 380-480V 3.7A/4.6A 50/60Hz	3PH AC 0-480V 3.1A/3.8A 0-599Hz 1.1kW/1.5kW
	MD580-4T5R1B(a)	3PH AC 380-480V 4.6A/6.4A 50/60Hz	3PH AC 0-480V 3.8A/5.1A 0-599Hz 1.5kW/2.2kW
	MD580-4T7R2B(a)	3PH AC 380-480V 6.3A/9.1A 50/60Hz	3PH AC 0-480V 5.1A/7.2A 0-599Hz 2.2kW/3.0kW
	MD580-4T9B(a)	3PH AC 380-480V 9.0A/11.3A 50/60Hz	3PH AC 0-480V 7.2A/9.0A 0-599Hz 3.0kW/3.7kW
T2	MD580-4T13B(a)	3PH AC 380-480V 11.4A/15.9A 50/60Hz	3PH AC 0-480V 9.0A/13.0A 0-599Hz 3.7kW/5.5kW
	MD580-4T17B(a)	3PH AC 380-480V 16.7A/22.4A 50/60Hz	3PH AC 0-480V 13.0A/17.0A 0-599Hz 5.5kW/7.5kW
T3	MD580-4T25B(a)	3PH AC 380-480V 21.9/32.9A 50/60Hz	3PH AC 0-480V 17.0A/25.0A 0-599Hz 7.5kW/11kW
	MD580-4T32B(a)	3PH AC 380-480V 32.2A/39.7A 50/60Hz	3PH AC 0-480V 25.0A/32.0A 0-599Hz 11kW/15kW
T4	MD580-4T37B(a)	3PH AC 380-480V 41.3A/48.6A 50/60Hz	3PH AC 0-480V 32.0A/37.0A 0-599Hz 15kW/18.5kW
T5	MD580-4T45(a)/ MD580-4T45B(a)	3PH AC 380-480V 49.5A/59.0A 50/60Hz	3PH AC 0-480V 37.0A/45.0A 0-599Hz 18.5kW/22kW
	MD580-4T60(a)/ MD580-4T60B(a)	3PH AC 380-480V 59.0A/65.8A 50/60Hz	3PH AC 0-480V 45.0A/60.0A 0-599Hz 22kW/30kW
T6	MD580-4T75(a)/ MD580-4T75B(a)	3PH AC 380-480V 57A/71A 50/60Hz	3PH AC 0-480V 60A/75A 0-599Hz 30kW/37kW
	MD580-4T91(a)/ MD580-4T91B(a)	3PH AC 380-480V 69A/86A 50/60Hz	3PH AC 0-480V 75A/91A 0-599Hz 37kW/45kW
T7	MD580-4T112(a)/ MD580-4T112B(a)	3PH AC 380-480V 89A/111A 50/60Hz	3PH AC 0-480V 91A/112A 0-599Hz 45kW/55kW
	MD580-4T150(a)/ MD580-4T150B(a)	3PH AC 380-480V 106A/143A 50/60Hz	3PH AC 0-480V 112A/150A 0-599Hz 55kW/75kW
T8	MD580-4T176(a)/ MD580-4T176B(a)	3PH AC 380-480V 139A/167A 50/60Hz	3PH AC 0-480V 150A/176A 0-599Hz 75kW/90kW
	MD580-4T210(a)	3PH AC 380-480V 164A/198A 50/60Hz	3PH AC 0-480V 176A/210A 0-599Hz 90kW/110kW
	MD580-4T253(a)	3PH AC 380-480V 196A/239A 50/60Hz	3PH AC 0-480V 210A/253A 0-599Hz 110kW/132kW
T9	MD580-4T304(a)	3PH AC 380-480V 240A/295A 50/60Hz	3PH AC 0-480V 253A/304A 0-599Hz 132kW/160kW

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	MD580-4T377(a)	3PH AC 380-480V 287A/359A 50/60Hz	3PH AC 0-480V 304A/377A 0-599Hz 160kW/200kW
T10	MD580-4T426(a)/ MD580-4T426-L(a)	3PH AC 380-480V 365A/410A 50/60Hz	3PH AC 0-480V 377A/426A 0-599Hz 200kW/220kW
	MD580-4T465(a)/ MD580-4T465-L(a)	3PH AC 380-480V 410A/456A 50/60Hz	3PH AC 0-480V 426A/465A 0-599Hz 220kW/250kW
T11	MD580-4T520(a)/ MD580-4T520-L(a)	3PH AC 380-480V 441A/507A 50/60Hz	3PH AC 0-480V 465A/520A 0-599Hz 250kW/280kW
	MD580-4T585(a)/ MD580-4T585-L(a)	3PH AC 380-480V 495A/559A 50/60Hz	3PH AC 0-480V 520A/585A 0-599Hz 280kW/315kW
T12	MD580-4T650(a)/ MD580-4T650-L(a)	3PH AC 380-480V 565A/624A 50/60Hz	3PH AC 0-480V 585A/650A 0-599Hz 315kW/355kW
	MD580-4T725(a)/ MD580-4T725-L(a)	3PH AC 380-480V 617A/708A 50/60Hz	3PH AC 0-480V 650A/725A 0-599Hz 355kW/400kW
	MD580-4T820(a)/ MD580-4T820-L(a)	3PH AC 380-480V 687A/782A 50/60Hz	3PH AC 0-480V 725A/820A 0-599Hz 400kW/450kW
Note: (a) in the above model list indicates 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.			

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