Product datasheet

Specifications





TeSys F magnetic latching contactor - 4P(4 NO) - 500 A -220...230 V AC/DC coil

CR1F5004M7

() Discontinued on: 10 Oct 2020

(!) Discontinued

Main

Mam	
Range	TeSys
Product Name	TeSys F
Product Or Component Type	Magnetic latching contactor
Device Short Name	CR1F
Device Application	Control
Contactor Application	Motor control Resistive load
Utilisation Category	AC-1 AC-4 AC-3
Poles Description	4P
Power Pole Contact Composition	4 NO
[Ue] Rated Operational Voltage	1000 V AC 25200 Hz
[Ie] Rated Operational Current	500 A (at <40 °C) at <= 440 V AC AC-3 700 A (at <40 °C) at <= 440 V AC AC-1 460 A (at <40 °C) at <= 440 V AC AC-4
Control Circuit Type	AC at 50400 Hz DC standard
[Uc] Control Circuit Voltage	220230 V AC 50400 Hz 220230 V DC
Irms Rated Making Capacity	5000 A
Rated Breaking Capacity	5000 A at 220440 V 4500 A at 500 V 2500 A at 1000 V 3560 A at 660/690 V
[Icw] Rated Short-Time Withstand Current	4200 A 40 °C - 1 s 4200 A 40 °C - 5 s 4200 A 40 °C - 10 s 3200 A 40 °C - 30 s 2400 A 40 °C - 1 min 1500 A 40 °C - 3 min 1200 A 40 °C - 10 min
Associated Fuse Rating	500 A aM at <= 440 V 800 A BS88 at <= 440 V 800 A gG at <= 440 V
Average Impedance	0.18 mOhm - Ith 700 A 50 Hz
[Ui] Rated Insulation Voltage	1000 V conforming to IEC 60158-1 1000 V conforming to IEC 60947-4 1000 V conforming to BS 775 1500 V conforming to VDE 0110 group C

Power Dissipation Per Pole	45 W AC-3 88 W AC-1	
Connections - Terminals	Lugs-ring terminals 2 cable(s) 240 mm² Bars 2 cable(s) - busbar cross section: 40 x 5 mm Power circuit: bolted connection	
Tightening Torque	35 N.m	
Operating Time	4080 ms latching 50100 ms unlatching	
Mechanical Durability	1 Mcycles	
Maximum Operating Rate	120 cyc/h 40 °C	

Complementary

Control Circuit Voltage Limits	Latching: 0.851.1 Uc Unlatching: 0.851.1 Uc
Average Consumption	1800 VA AC 50400 Hz latching 13 VA AC 50400 Hz unlatching 1800 VA DC latching 13 VA DC unlatching

Environment

Protective Treatment	тс
Ambient Air Temperature For Operation	-1570 °C
Ambient Air Temperature For Storage	-6080 °C
Operating Altitude	3000 m without derating
Height	238 mm
Width	288 mm
Depth	232 mm
Net Weight	12.9 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	25.5 cm
Package 1 Width	28 cm
Package 1 Length	33 cm
Package 1 Weight	12.67 kg

Contractual warranty

Warranty

12 months

Sustainability Screen

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

Eu Rohs Directive	Compliant
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins