# **Product datasheet**

Specifications





## TeSys F magnetic latching contactor - 4P - 250 A - 220/230 V AC/DC coil

CR1F1504M7

- () Discontinued on: 18-Sept-2020
- (!) Discontinued

#### (!) End-of-service on: 04-Nov-2020

#### Main

Wall	
Range	TeSys
Product Name	TeSys F
Product Or Component Type	Magnetic latching contactor
Device Short Name	CR1F
Device Application	Control
Contactor Application	Resistive load Motor control
Utilisation Category	AC-3 AC-4 AC-1
Poles Description	4P
Power Pole Contact Composition	4 NO
[Ue] Rated Operational Voltage	1000 V AC 25200 Hz
[le] Rated Operational Current	150 A (at <40 °C) at <= 440 V AC AC-3 250 A (at <40 °C) at <= 440 V AC AC-1 138 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	1700 A
Rated Breaking Capacity	1500 A at 220440 V 1200 A at 500 V 450 A at 1000 V 1100 A at 660/690 V
[Icw] Rated Short-Time Withstand Current	1200 A 40 °C - 1 s 1200 A 40 °C - 5 s 1200 A 40 °C - 10 s 700 A 40 °C - 30 s 600 A 40 °C - 1 min 450 A 40 °C - 3 min 350 A 40 °C - 10 min
Associated Fuse Rating	160 A aM at <= 440 V 250 A BS88 at <= 440 V 250 A gG at <= 440 V
Average Impedance	0.45 mOhm - Ith 250 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	6 W AC-3 18 W AC-1	
Connections - Terminals	Lugs-ring terminals 1 cable(s) 120 mm <sup>2</sup> Connector 1 cable(s) 120 mm <sup>2</sup> Bars 2 cable(s) - busbar cross section: 25 x 3 mm Power circuit: bolted connection	
Tightening Torque	18 N.m	
Operating Time	3540 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	1260 VA AC 50400 Hz latching 10 VA AC 50400 Hz unlatching 1260 VA DC latching 10 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	170 mm
Width	201.5 mm
Depth	171 mm
Net Weight	3.8 kg

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	21 cm
Package 1 Width	20 cm
Package 1 Length	26.5 cm
Package 1 Weight	5.04 kg

### **Contractual warranty**

Warranty

18 months

### Sustainability Screen

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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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
Circularity Profile	End of Life Information