

Product data sheet

Specifications



TeSys F magnetic latching contactor - 3P(3 NO) - 150 A - 380 V AC coil

CR1F150Q7

⚠ Discontinued on: Oct 10, 2020

⚠ Discontinued

Main

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-1 AC-4
Poles Description	3P
Power Pole Contact Composition	3 NO
[Ue] Rated Operational Voltage	1000 V AC 25...200 Hz
[Ie] 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
Motor Power Kw	75 kW at 400 V AC 50/60 Hz (AC-4)
Control Circuit Type	AC at 50/60 Hz
[Uc] Control Circuit Voltage	380 V AC 50/60 Hz
Irms Rated Making Capacity	1700 A
Rated Breaking Capacity	1500 A at 220...440 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Power Dissipation Per Pole	6 W AC-3 18 W AC-1
Connections - Terminals	Lugs-ring terminals 1 cable(s) 120 mm² Connector 1 cable(s) 120 mm² Bars 2 cable(s) - busbar cross section: 25 x 3 mm Power circuit: bolted connection
Tightening Torque	18 N.m
Operating Time	35...40 ms latching 50...100 ms unlatching
Mechanical Durability	1 Mcycles
Maximum Operating Rate	120 cyc/h 40 °C

Complementary

Control Circuit Voltage Limits	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
Average Consumption	1100 VA AC 50/60 Hz latching 7.3 VA AC 50/60 Hz unlatching

Environment

Protective Treatment	TC
Ambient Air Temperature For Operation	-15...70 °C
Ambient Air Temperature For Storage	-60...80 °C
Operating Altitude	3000 m without derating
Height	170 mm
Width	163.5 mm
Depth	171 mm
Net Weight	3.5 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	24.5 cm
Package 1 Weight	4.097 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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

Circularity Profile

[End of Life Information](#)

California Proposition 65

WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov