

Product data sheet

Specifications



TeSys F magnetic latching contactor - 3P(3 NO) - 400 A - 480 V AC coil

CR1F400T7

⚠ Discontinued

Main

Range	TeSys
Product Name	TeSys F
Product Or Component Type	Magnetic latching contactor
Device Short Name	CR1F
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	400 A (at <40 °C) at <= 440 V AC AC-3 500 A (at <40 °C) at <= 440 V AC AC-1 370 A (at <40 °C) at <= 440 V AC AC-4
Control Circuit Type	AC at 50/60 Hz
[Uc] Control Circuit Voltage	480 V AC 50/60 Hz
Irms Rated Making Capacity	4500 A
Rated Breaking Capacity	4000 A at 220...440 V 3500 A at 500 V 1200 A at 1000 V 3000 A at 660/690 V
[Icw] Rated Short-Time Withstand Current	3600 A 40 °C - 1 s 3600 A 40 °C - 5 s 3600 A 40 °C - 10 s 2400 A 40 °C - 30 s 1700 A 40 °C - 1 min 1200 A 40 °C - 3 min 1000 A 40 °C - 10 min
Associated Fuse Rating	400 A aM at <= 440 V 500 A BS88 at <= 440 V 500 A gG at <= 440 V
Average Impedance	0.28 mOhm - Ith 500 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 70 W AC-1

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

Connections - Terminals	Lugs-ring terminals 2 cable(s) 150 mm² Bars 2 cable(s) - busbar cross section: 30 x 5 mm
Tightening Torque	35 N.m
Operating Time	40...75 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	1450 VA AC 50/60 Hz latching 12 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	206 mm
Width	213 mm
Depth	219 mm
Net Weight	9.1 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

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.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

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
