

Product data sheet

Specifications



TeSys F magnetic latching contactor - 3P(3 NO) - 400 A - 415 V AC coil

CR1F400N7

⚠ Discontinued on: Jan 23, 2021

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Main

Range	TeSys
Product Name	TeSys F
Product Or Component Type	Magnetic latching contactor
Device Short Name	CR1F
Contactor Application	Motor control Resistive load
Utilisation Category	AC-1 AC-4 AC-3
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 <104 °F (40 °C)) at <= 440 V AC AC-3 500 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 370 A (at <104 °F (40 °C)) at <= 440 V AC AC-4
Control Circuit Type	AC 50/60 Hz
[Uc] Control Circuit Voltage	415 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 104 °F (40 °C) - 1 s 3600 A 104 °F (40 °C) - 5 s 3600 A 104 °F (40 °C) - 10 s 2400 A 104 °F (40 °C) - 30 s 1700 A 104 °F (40 °C) - 1 min 1200 A 104 °F (40 °C) - 3 min 1000 A 104 °F (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 - lth 500 A 50 Hz
[Ui] Rated Insulation Voltage	1000 V IEC 60158-1 1000 V IEC 60947-4 1000 V BS 775 1500 V VDE 0110 group C
Power Dissipation Per Pole	45 W AC-3 70 W AC-1

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 0.23 in² (150 mm²) bars 2 30 x 5 mm
Tightening Torque	309.78 lbf.in (35 N.m)
Operating Time	40...75 ms latching 50...100 ms unlatching
Mechanical Durability	1 Mcycles
Maximum Operating Rate	120 cyc/h 104 °F (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	5...158 °F (-15...70 °C)
Ambient Air Temperature For Storage	-76...176 °F (-60...80 °C)
Operating Altitude	9842.52 ft (3000 m) without derating
Height	8.11 in (206 mm)
Width	8.39 in (213 mm)
Depth	8.62 in (219 mm)
Net Weight	20.06 lb(US) (9.1 kg)

Ordering and shipping details

Category	22336-CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
Gtin	3389110548563
Returnability	No
Country Of Origin	CZ

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.84 in (25 cm)
Package 1 Width	9.25 in (23.5 cm)
Package 1 Length	11.81 in (30 cm)
Package 1 Weight	20.46 lb(US) (9.28 kg)

Contractual warranty

Warranty	18 months
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