Product data sheet

Specifications

Green Premium™

TeSys F magnetic latching contactor - 3P - 150 A - 220 V DC coil - low consum.

CR1F150MZ7

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-4 AC-3 AC-1
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 <104 °F (40 °C)) at <= 440 V AC AC-3 250 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 138 A (at <104 °F (40 °C)) at <= 440 V AC AC-4
Motor Power Kw	65 kW at 1000 V AC 50/60 Hz 100 kW at 690 V AC 50/60 Hz 90 kW at 500...660 V AC 50/60 Hz 80 kW at 440 V AC 50/60 Hz 80 kW at 415 V AC 50/60 Hz 75 kW at 380...400 V AC 50/60 Hz 40 kW at 220...230 V AC 50/60 Hz
Motor Power Hp (Ul / Csa)	125 hp at 575...600 V AC 50/60 Hz for 3 phase motors 100 hp at 460...480 V AC 50/60 Hz for 3 phase motors 50 hp at 220...240 V AC 50/60 Hz for 3 phase motors 40 hp at 200...208 V AC 50/60 Hz for 3 phase motors
[Uc] Control Circuit Voltage	220 V DC low consumption
[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ith] Conventional Free Air Thermal Current	250 A (at 104 °F (40 °C))
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

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

[Icw] Rated Short-Time Withstand Current	1200 A 104 °F (40 °C) - 1 s 1200 A 104 °F (40 °C) - 5 s 1200 A 104 °F (40 °C) - 10 s 700 A 104 °F (40 °C) - 30 s 600 A 104 °F (40 °C) - 1 min 450 A 104 °F (40 °C) - 3 min 350 A 104 °F (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 IEC 60158-1 1000 V IEC 60947-4 1000 V BS 775 1500 V VDE 0110 group C
Power Dissipation Per Pole	6 W AC-3 18 W AC-1
Connections - Terminals	lugs-ring terminals 1 0.19 in² (120 mm²) connector 1 0.19 in² (120 mm²) bars 2 25 x 3 mm
Tightening Torque	159.31 lbf.in (18 N.m)
Operating Time	35...40 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	500 W DC latching 15 W DC unlatching

Environment

Protective Treatment	TH
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	6.69 in (170 mm)
Width	6.44 in (163.5 mm)
Depth	6.73 in (171 mm)
Net Weight	7.72 lb(US) (3.5 kg)

Ordering and shipping details

Category	22336-CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
Gtin	3389110547924
Returnability	No

Packing Units

Unit Type Of Package 1	PCE

Number Of Units In Package 1	1
Package 1 Height	7.87 in (20 cm)
Package 1 Width	8.07 in (20.5 cm)
Package 1 Length	9.06 in (23 cm)
Package 1 Weight	8.19 lb(US) (3.715 kg)

Contractual warranty

Warranty	18 months

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-CO_2 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 >

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