

Product data sheet

Specifications



TeSys F magnetic latching contactor - 3P(3 NO) - 150 A - 48 V AC/DC coil

CR1F150E7

⚠ Discontinued on: Jul 12, 2021

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Main

Range	TeSys
Product name	TeSys F
Product or Component Type	Magnetic latching contactor
Device short name	CR1F
Device Application	Control
Contactor application	Motor control Resistive load
Utilisation category	AC-4 AC-1 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	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	75 kW at 400 V AC 50/60 Hz (AC-4)
Control circuit type	AC 50...400 Hz DC standard
[Uc] control circuit voltage	48 V AC 50...400 Hz 48 V DC
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 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

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

[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 0.2 in² (120 mm²) connector 1 0.2 in² (120 mm²) bars 2 25 x 3 mm Power circuit bolted connection
Tightening torque	159.3 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	1260 VA AC 50...400 Hz latching 10 VA AC 50...400 Hz unlatching 1260 VA DC latching 10 VA DC 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	6.7 in (170 mm)
Width	6.4 in (163.5 mm)
Depth	6.7 in (171 mm)
Net Weight	7.7 lb(US) (3.5 kg)

Ordering and shipping details

Category	22336-CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	3389110547870
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	8.3 in (21 cm)
Package 1 Width	7.9 in (20 cm)
Package 1 Length	9.6 in (24.5 cm)
Package weight(Lbs)	9.032 lb(US) (4.097 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances	
EU RoHS Directive	Compliant
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

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.