

Product data sheet

Specifications



TeSys F magnetic latching contactor - 3P(3 NO) - 630 A - 110 V DC coil

CR1F630FZ7

⚠ Discontinued

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	630 A (at <104 °F (40 °C)) at <= 440 V AC AC-3 1000 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 560 A (at <104 °F (40 °C)) at <= 440 V AC AC-4
Motor power kW	335 kW at 400 V AC 50/60 Hz (AC-4)
Control circuit type	DC low consumption
[Uc] control circuit voltage	110 V DC
Irms rated making capacity	6740 A
Rated breaking capacity	6300 A at 220...440 V 5400 A at 500 V 3200 A at 1000 V 4600 A at 660/690 V
[Icw] rated short-time withstand current	5.05 kA 104 °F (40 °C) - 1 s 5.05 kA 104 °F (40 °C) - 5 s 5.05 kA 104 °F (40 °C) - 10 s 4400 A 104 °F (40 °C) - 30 s 3400 A 104 °F (40 °C) - 1 min 2200 A 104 °F (40 °C) - 3 min 1600 A 104 °F (40 °C) - 10 min
Associated fuse rating	630 A aM at <= 440 V 1000 A BS88 at <= 440 V 1000 A gG at <= 440 V
Average impedance	0.12 mOhm - Ith 1000 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

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

Power dissipation per pole	48 W AC-3 120 W AC-1
Connections - terminals	bars 2 60 x 5 mm Power circuit bolted connection
Tightening torque	513.3 lbf.in (58 N.m)
Operating time	40...80 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	620 W DC latching 45 W 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	12.0 in (304 mm)
Width	12.2 in (309 mm)
Depth	10.04 in (255 mm)
Net Weight	41.006 lb(US) (18.6 kg)

Ordering and shipping details

Category	22331-CTR,F-LINE,DC,OPEN,NONREV
Discount Schedule	I12
GTIN	3389110548846
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	10.8 in (27.5 cm)
Package 1 Width	13.4 in (34 cm)
Package 1 Length	13.8 in (35 cm)
Package weight(Lbs)	36.09 lb(US) (16.37 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 >](#)



Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Longer



Lifetime extension

[Repair](#)

[No](#)

Use Again



Repack and remanufacture

[WEEE Label](#)



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.