

Product datasheet

Specifications



bistable contactor CR1-F - 3P - AC-3 440V 630 A - coil 48 V

CR1F630E7

EAN Code: 3389110548839

! Discontinued

Main

Range	TeSys
Product name	TeSys F
Product or component type	Magnetic contactor
Device short name	CR1F
Utilisation category	AC-4 AC-3 AC-1
Poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit: 1000 V AC Power circuit: 1000 V DC
[Ie] rated operational current	1000 A (at <40 °C) AC/DC AC-1 for power circuit 560 A (at <40 °C) AC/DC AC-4 for power circuit 630 A (at <40 °C) AC/DC AC-3 for power circuit
[Uc] control circuit voltage	48 V AC 400 Hz 48 V AC 50/60 Hz 48 V DC
[Ith] conventional free air thermal current	250 A (at 40 °C) for power circuit
Irms rated making capacity	6740 A for power circuit
Rated breaking capacity	3200 A at 1000 V for power circuit 5400 A at 500 V for power circuit 6300 A at 220...440 V for power circuit 4600 A at 660/690 V for power circuit
Associated fuse rating	1000 A BS88 for power circuit 1000 A gG for power circuit 630 A aM for power circuit
Average impedance	0.12 Ohm - Ith 250 A 50 Hz for control circuit
[Ui] rated insulation voltage	Control circuit: 1000 V conforming to BS 775 Control circuit: 1000 V conforming to IEC 60158-1 Control circuit: 1000 V conforming to IEC 60947-4 Control circuit: 1500 V conforming to VDE 0110 group C
Power dissipation per pole	120 W AC-1 48 W AC-3 111 W AC-4
Connections - terminals	Bolted connection
Operating time	40...80 ms latching 50...100 ms unlatching
Coil type	Standard

Complementary

Control circuit voltage limits	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
average consumption	12 VA AC 50/60 Hz unlatching 1450 VA AC 50/60 Hz latching 16 VA AC 400 Hz unlatching 1600 VA AC 400 Hz latching 16 VA DC unlatching 1600 VA DC latching

Environment

Protective treatment	TH
Ambient air temperature for operation	-15...70 °C
Height	464 mm
Width	309 mm
Depth	255 mm
Net weight	18.6 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

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](#)