

Product datasheet

Specifications



bistable contactor CR1-F - 3P - AC-3 440V 500 A - coil 48 V

CR1F500E7

EAN Code: 3389110548686

! Discontinued

Main

Range	TeSys
Product name	TeSys F
Product or component type	Magnetic contactor
Device short name	CR1F
Utilisation category	AC-3 AC-4 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	460 A (at <40 °C) AC/DC AC-4 for power circuit 500 A (at <40 °C) AC/DC AC-3 for power circuit 700 A (at <40 °C) AC/DC AC-1 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	5000 A for power circuit
Rated breaking capacity	2500 A at 1000 V for power circuit 4500 A at 500 V for power circuit 5000 A at 220...440 V for power circuit 3560 A at 660/690 V for power circuit
Associated fuse rating	800 A BS88 for power circuit 800 A gG for power circuit 500 A aM for power circuit
Average impedance	0.18 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	88 W AC-1 83 W AC-3 83 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	1650 VA AC 50/60 Hz latching 1800 VA AC 400 Hz latching 1800 VA DC latching 13 VA AC 400 Hz unlatching 9.5 VA AC 50/60 Hz unlatching 13 VA DC unlatching

Environment

Protective treatment	TH
Ambient air temperature for operation	-15...70 °C
Operating altitude	3000 m without derating
Height	400 mm
Width	233 mm
Depth	232 mm
Net weight	9.1 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

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[Product Environmental Profile](#)

Use Longer



Lifetime extension

[Repair](#)

[No](#)