Product datasheet

Specifications

Discontinued

bistable contactor CR1-F - 3 poles - AC-3 440V 400 A - coil 127 V

CR1F400G7

Discontinued on: 10 Oct 2020

EAN Code: 3389110548549

Main

Range	TeSys
Product name	TeSys F
Product or component type	Magnetic contactor
Device short name	CR1F
Utilisation category	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	370 A (at <40 °C) AC/DC AC-4 for power circuit 400 A (at <40 °C) AC/DC AC-3 for power circuit 500 A (at <40 °C) AC/DC AC-1 for power circuit
[Uc] control circuit voltage	127 V DC 127 V AC 400 Hz 127 V AC 50/60 Hz
[Ith] conventional free air thermal current	500 A (at 40 °C) for power circuit
Irms rated making capacity	4500 A for power circuit
Rated breaking capacity	1200 A at 1000 V for power circuit 3000 A at 600...690 V for power circuit 3500 A at 500 V for power circuit 4000 A at 220...440 V for power circuit
Associated fuse rating	400 A aM for power circuit 500 A BS88 for power circuit 500 A gG for power circuit
Average impedance	0.28 Ohm - Ith 500 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	45 W AC-3 70 W AC-1
Operating time	40...75 ms latching 50...100 ms unlatching
Mechanical durability	1000000 cycles
Maximum operating rate	120 cyc/mn 40 °C
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
Operating altitude	3000 m without derating
Operating position	+/- 5°
Height	375 mm
Width	261 mm
Depth	219 mm
Net weight	9.1 kg
Quantity per set	Set of 10

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25 cm
Package 1 Width	23.5 cm
Package 1 Length	30 cm
Package 1 Weight	9.28 kg

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 Better

Materials and Substances

EU RoHS Directive	Compliant

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