

Product datasheet

Specifications



bistable contactor CR1-F - 3 poles - AC-3 440V 150 A - coil 127 V

CR1F150G7

EAN Code: 3389110547917

! Discontinued

Main

Range	TeSys
Product name	TeSys F
Product or component type	Magnetic contactor
Device short name	CR1F
Utilisation category	AC-1 AC-3
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	150 A (at <40 °C) AC/DC AC-3 for power circuit 250 A (at <40 °C) AC/DC AC-1 for power circuit 138 A (at <40 °C) AC/DC AC-4 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	250 A (at 40 °C) for power circuit
Irms rated making capacity	1700 A for power circuit
Rated breaking capacity	1100 A at 600...690 V for power circuit 1200 A at 500 V for power circuit 1500 A at 220...440 V for power circuit 450 A at 1000 V for power circuit
Associated fuse rating	160 A aM for power circuit 250 A BS88 for power circuit 250 A gG for power circuit
Average impedance	0.45 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	18 W AC-1 6 W AC-3
Operating time	35...40 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	1100 VA AC 50/60 Hz latching 10 VA AC 400 Hz unlatching 1260 VA AC 400 Hz latching 7.3 VA AC 50/60 Hz unlatching 10 VA DC unlatching 1260 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	301 mm
Width	163.5 mm
Depth	171 mm
Net weight	3.5 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	22 cm
Package 1 Width	20 cm
Package 1 Length	24 cm
Package 1 Weight	4.232 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

[End of life manual availability](#)

[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