

Product datasheet

Specifications



bistable contactor CR1-F - 3 poles - AC-3 440V 150 A - coil 48 V

CR1F150EZ7

⚠ Discontinued on: 10 Oct 2020

EAN Code: 3389110547863

⚠ 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	48 V DC
[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	Low consumption

Complementary

Control circuit voltage limits	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
average consumption	15 W DC unlatching 500 W 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	20 cm
Package 1 Width	20.5 cm
Package 1 Length	23 cm
Package 1 Weight	3.715 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 >](#)

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