

Product datasheet

Specifications



bistable contactor CR1-B - 3 poles - 1000 A - AC-3 - 440V

CR1BM33M21

! 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	2 NO + 1 NC
[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-3 for power circuit 1250 A (at <40 °C) AC/DC AC-1 for power circuit 800 A (at <40 °C) AC/DC AC-4 for power circuit
[Uc] control circuit voltage	220 V AC 50...400 Hz 230 V AC 50...400 Hz
[Ith] conventional free air thermal current	1250 A (at 40 °C) for power circuit
Irms rated making capacity	10000 A for power circuit
Rated breaking capacity	10000 A at 220...440 V for power circuit 4000 A at 1000 V for power circuit 8000 A at 600...690 V for power circuit 9000 A at 500 V for power circuit
Associated fuse rating	1200 A aM for power circuit 1200 A BS88 for power circuit 1200 A gG for power circuit
Average impedance	0.18 Ohm - Ith 1250 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	180 W AC-3 280 W AC-1
Operating time	100...150 ms latching 20...40 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 1650 VA AC 50/60 Hz latching 100 VA AC 400 Hz unlatching 1000 VA AC 400 Hz latching 110 VA AC 50/60 Hz unlatching 115 VA AC 400 Hz unlatching 125 VA AC 50/60 Hz unlatching 1500 VA AC 400 Hz latching 160 VA AC 400 Hz unlatching 165 VA AC 50/60 Hz unlatching 600 VA AC 400 Hz latching 650 VA AC 50/60 Hz latching

Environment

Protective treatment	TH
Ambient air temperature for operation	-15...70 °C
Operating altitude	3000 m without derating
Operating position	+/- 5°
Height	490 mm
Width	475 mm
Depth	375 mm
Product weight	57 kg
Quantity per set	Set of 10

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 >](#)

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