

Product datasheet

Specifications



bistable contactor CR1-F - 3 poles - AC-3 440V 185 A - coil 415 V

CR1F185N7

EAN Code: 3389110548167

! Discontinued

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	170 A (at <40 °C) AC/DC AC-4 for power circuit 185 A (at <40 °C) AC/DC AC-3 for power circuit 275 A (at <40 °C) AC/DC AC-1 for power circuit
[Uc] control circuit voltage	415 V AC 50/60 Hz
[Ith] conventional free air thermal current	275 A (at 40 °C) for power circuit
Irms rated making capacity	2100 A for power circuit
Rated breaking capacity	1600 A at 500 V for power circuit 1800 A at 220...440 V for power circuit 600 A at 1000 V for power circuit 1200 A at 600...690 V for power circuit
Associated fuse rating	200 A aM for power circuit 315 A BS88 for power circuit 315 A gG for power circuit
Average impedance	0.36 Ohm - Ith 275 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	12 W AC-3 26 W AC-1
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
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average consumption	1600 VA AC 50/60 Hz latching 8 VA AC 50/60 Hz unlatching
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Environment

Protective treatment	TH
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Ambient air temperature for operation	-15...70 °C
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Operating altitude	3000 m without derating
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Operating position	+/- 5°
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Height	305 mm
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Width	168.5 mm
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Depth	181 mm
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Net weight	4.6 kg
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Quantity per set	Set of 10
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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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