

Product datasheet

Specifications



contacteur bistable CR1F 4P AC1 440V 500 A bobine 127 V

CR1F4004G7

EAN Code: 3389110548624

! Discontinued

Main

Range	TeSys
Product name	TeSys F
Product or component type	Magnetic contactor
Device short name	CR1F
Utilisation category	AC-1
Poles description	4P
power pole contact composition	4 NO
[Ue] rated operational voltage	Power circuit: 1000 V AC Power circuit: 1000 V DC
[Ie] rated operational current	400 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	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
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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
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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	375 mm
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Width	261 mm
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Depth	219 mm
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Net weight	10.2 kg
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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 >](#)



Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

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