

# Product datasheet

Specifications



## bistable contactor CR1-F - 3 poles - AC-3 440V 400 A - coil 380...400V

CR1F400Q7

EAN Code: 3389110548570

! Discontinued

### Main

Range	TeSys
Product name	TeSys F
Product or component type	Magnetic contactor
Device short name	CR1F
Utilisation category	AC-4 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	370 A (at <40 °C) AC/DC AC-4 for power circuit 400 A (at <40 °C) AC/DC AC-3 for power circuit 500 A (at <40 °C) AC/DC AC-1 for power circuit
[Uc] control circuit voltage	380 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 66 W AC-4 66 W AC-3
Standards	EN/IEC 60947-1 EN/IEC 60947-4-1 JIS C8201-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1

<b>Product certifications</b>	CB Scheme UL CSA EAC CE UKCA
<b>Connections - terminals</b>	Bolted connection
<b>Operating time</b>	40...75 ms latching 50...100 ms unlatching
<b>Mechanical durability</b>	1000000 cycles
<b>Maximum operating rate</b>	120 cyc/mn 40 °C
<b>Coil type</b>	Standard

## Complementary

<b>Control circuit voltage limits</b>	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
<b>average consumption</b>	12 VA AC 50/60 Hz unlatching 1450 VA AC 50/60 Hz latching

## Environment

<b>Protective treatment</b>	TH
<b>Ambient air temperature for operation</b>	-15...70 °C
<b>Operating altitude</b>	3000 m without derating
<b>Operating position</b>	+/- 5°
<b>Height</b>	375 mm
<b>Width</b>	261 mm
<b>Depth</b>	219 mm
<b>Net weight</b>	9.1 kg
<b>Quantity per set</b>	Set of 10

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	25.0 cm
<b>Package 1 Width</b>	23.5 cm
<b>Package 1 Length</b>	30.0 cm
<b>Package 1 Weight</b>	9.28 kg

## Contractual warranty

<b>Warranty (in months)</b>	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

Total lifecycle Carbon footprint	3 547 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	63 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	3 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	3 461 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	20 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards
SCIP Number	975ba4d0-bc82-40e2-8faa-6f6819f63b0c

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	95
End of life manual availability	<a href="#">End of Life Information</a>
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins