

# Product datasheet

Specifications



## bistable contactor CR1-F - 3 poles - AC-3 440V 400 A - coil 48 V

CR1F400EZ7

⚠ Discontinued on: 30 Dec 2019

EAN Code: 3389110546316

⚠ 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	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	48 V DC
[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	45 W AC-3 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	Low consumption

## Complementary

<b>Control circuit voltage limits</b>	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
<b>average consumption</b>	500 W DC latching 70 W DC unlatching

## 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>	24 cm
<b>Package 1 Width</b>	25 cm
<b>Package 1 Length</b>	30 cm
<b>Package 1 Weight</b>	8.33 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 >](#)

### 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