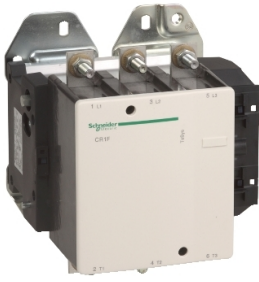


# Product datasheet

Specifications



## bistable contactor CR1-F - 3 poles - AC-3 440V 500 A - coil 127 V

CR1F500G7

EAN Code: 3389110548709

! 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	3 NO
[Ue] rated operational voltage	Power circuit: 1000 V AC Power circuit: 1000 V DC
[Ie] rated operational current	460 A (at <40 °C) AC/DC AC-4 for power circuit 500 A (at <40 °C) AC/DC AC-3 for power circuit 700 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	700 A (at 40 °C) for power circuit
Irms rated making capacity	5000 A for power circuit
Rated breaking capacity	2500 A at 1000 V for power circuit 3560 A at 600...690 V for power circuit 4500 A at 500 V for power circuit 5000 A at 220...440 V for power circuit
Associated fuse rating	800 A BS88 for power circuit 800 A gG for power circuit 500 A aM for power circuit
Average impedance	0.18 Ohm - Ith 700 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 88 W AC-1
Operating time	40...80 ms latching 50...100 ms unlatching
Mechanical durability	1000000 cycles
Maximum operating rate	120 cyc/mn 40 °C
Coil type	Standard

## Complementary

<b>Control circuit voltage limits</b>	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
<b>average consumption</b>	1650 VA AC 50/60 Hz latching 1800 VA AC 400 Hz latching 1800 VA DC latching 13 VA AC 400 Hz unlatching 9.5 VA AC 50/60 Hz unlatching 13 VA 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>	400 mm
<b>Width</b>	288 mm
<b>Depth</b>	232 mm
<b>Net weight</b>	11.3 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

## 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

[Environmental Disclosure](#)

[Product Environmental Profile](#)

## Use Longer

### Lifetime extension

[Repair](#)

[No](#)