

# Product datasheet

Specifications



## bistable contactor CR1-F - 4 poles - 185 A - AC-3 - 440 V - coil 110 V

CR1F1854F7

EAN Code: 3389110548228

! 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	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	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	110 V AC 400 Hz 110 V AC 50/60 Hz 110 V DC
[Ith] conventional free air thermal current	250 A (at 40 °C) for power circuit
Irms rated making capacity	2100 A for power circuit
Rated breaking capacity	1200 A at 660/690 V for power circuit 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
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 250 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
Connections - terminals	Bolted connection
Operating time	35...40 ms latching 50...100 ms unlatching
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>	11 VA AC 400 Hz unlatching 1600 VA AC 50/60 Hz latching 1750 VA AC 400 Hz latching 8 VA AC 50/60 Hz unlatching 11 VA DC unlatching 1750 VA DC 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>Height</b>	305 mm
<b>Width</b>	208.5 mm
<b>Depth</b>	181 mm
<b>Net weight</b>	5.4 kg

## 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 >](#)

### Use Longer



#### Lifetime extension

Repair

No