

# Product datasheet

Specifications



## contacteur bistable CR1F 4P AC1 440V 250 A bobine 48 V

CR1F1504E7

EAN Code: 3389110547986

! 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	150 A (at <40 °C) AC/DC AC-1 for power circuit
[Uc] control circuit voltage	48 V AC 400 Hz 48 V AC 50/60 Hz 48 V DC
[Ith] conventional free air thermal current	250 A (at 40 °C) for power circuit
Irms rated making capacity	1700 A for power circuit
Rated breaking capacity	1100 A at 600...690 V for power circuit 1200 A at 500 V for power circuit 1500 A at 220...440 V for power circuit 450 A at 1000 V for power circuit
Associated fuse rating	160 A aM for power circuit 250 A BS88 for power circuit 250 A gG for power circuit
Average impedance	0.45 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	18 W AC-1
Operating time	35...40 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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<b>average consumption</b>	1100 VA AC 50/60 Hz latching 10 VA AC 400 Hz unlatching 1260 VA AC 400 Hz latching 7.3 VA AC 50/60 Hz unlatching 10 VA DC unlatching 1260 VA DC latching
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## Environment

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<b>Protective treatment</b>	TH
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<b>Ambient air temperature for operation</b>	-15...70 °C
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<b>Operating altitude</b>	3000 m without derating
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<b>Operating position</b>	+/- 5°
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<b>Height</b>	301 mm
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<b>Width</b>	201.5 mm
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<b>Depth</b>	171 mm
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<b>Net weight</b>	3.8 kg
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## Packing Units

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<b>Unit Type of Package 1</b>	PCE
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<b>Number of Units in Package 1</b>	1
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## Contractual warranty

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<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