

# Product datasheet

Specifications



## contacteur bistable CR1F 4P AC1 440V 700 A bobine 48 V

CR1F5004E7

EAN Code: 3389110548761

! 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<br>Power circuit: 1000 V DC   |
| [Ie] rated operational current              | 500 A (at <40 °C) AC/DC AC-1 for power circuit   |
| [Uc] control circuit voltage                | 48 V AC 400 Hz<br>48 V AC 50/60 Hz<br>48 V DC  |
| [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<br>3560 A at 600...690 V for power circuit<br>4500 A at 500 V for power circuit<br>5000 A at 220...440 V for power circuit  |
| Associated fuse rating                      | 800 A BS88 for power circuit<br>800 A gG for power circuit<br>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<br>Control circuit: 1000 V conforming to IEC 60158-1<br>Control circuit: 1000 V conforming to IEC 60947-4<br>Control circuit: 1500 V conforming to VDE 0110 group C |
| Power dissipation per pole                  | 88 W AC-1  |
| Operating time                              | 40...80 ms latching<br>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<br>Unlatching: 0.85...1.1 Uc |
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|----------------------------|---|
| <b>average consumption</b> | 1650 VA AC 50/60 Hz latching<br>1800 VA AC 400 Hz latching<br>1800 VA DC latching<br>13 VA AC 400 Hz unlatching<br>9.5 VA AC 50/60 Hz unlatching<br>13 VA DC unlatching |
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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> | 400 mm |
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|              |        |
|--------------|--------|
| <b>Width</b> | 288 mm |
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|              |        |
|--------------|--------|
| <b>Depth</b> | 232 mm |
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|                   |         |
|-------------------|---------|
| <b>Net weight</b> | 12.9 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 |
|-----------------------------|----|



## 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