

# Product datasheet

Specifications



## TeSys F magnetic latching contactor - 3P(3 NO) - 265 A - 48 V AC/DC coil

CR1F265E7

⚠ Discontinued on: 1 Nov 2020

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### Main

Range	TeSys
Product name	TeSys F
Product or component type	Magnetic latching contactor
Device short name	CR1F
Device application	Control
Contactor application	Resistive load Motor control
Utilisation category	AC-3 AC-1 AC-4
Poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	1000 V AC 25...200 Hz
[Ie] rated operational current	265 A (at <40 °C) at <= 440 V AC AC-3 350 A (at <40 °C) at <= 440 V AC AC-1 245 A (at <40 °C) at <= 440 V AC AC-4
Motor power kW	132 kW at 400 V AC 50/60 Hz (AC-4)
Control circuit type	AC at 50...400 Hz DC standard
[Uc] control circuit voltage	48 V AC 50...400 Hz 48 V DC
Irms rated making capacity	2940 A
Rated breaking capacity	2450 A at 220...440 V 2200 A at 500 V 800 A at 1000 V 1700 A at 660/690 V
[Icsw] rated short-time withstand current	2200 A 40 °C - 1 s 2200 A 40 °C - 5 s 2200 A 40 °C - 10 s 1230 A 40 °C - 30 s 950 A 40 °C - 1 min 620 A 40 °C - 3 min 480 A 40 °C - 10 min
Associated fuse rating	315 A aM at <= 440 V 400 A BS88 at <= 440 V 400 A gG at <= 440 V
Average impedance	0.32 mOhm - Ith 350 A 50 Hz

<b>[Ui] rated insulation voltage</b>	1000 V conforming to IEC 60158-1 1000 V conforming to IEC 60947-4 1000 V conforming to BS 775 1500 V conforming to VDE 0110 group C
<b>Power dissipation per pole</b>	22 W AC-3 39 W AC-1
<b>Connections - terminals</b>	Lugs-ring terminals 1 cable(s) 240 mm <sup>2</sup> Connector 1 cable(s) 240 mm <sup>2</sup> Bars 2 cable(s) - busbar cross section: 32 x 4 mm Power circuit: bolted connection
<b>Tightening torque</b>	35 N.m
<b>Operating time</b>	40...75 ms latching 50...100 ms unlatching
<b>Mechanical durability</b>	1 Mcycles
<b>Maximum operating rate</b>	120 cyc/h 40 °C

## Complementary

<b>Control circuit voltage limits</b>	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
<b>average consumption</b>	1800 VA AC 50...400 Hz latching 12 VA AC 50...400 Hz unlatching 1800 VA DC latching 12 VA DC unlatching

## Environment

<b>Protective treatment</b>	TC
<b>Ambient air temperature for operation</b>	-15...70 °C
<b>Ambient air temperature for storage</b>	-60...80 °C
<b>Operating altitude</b>	3000 m without derating
<b>Height</b>	203 mm
<b>Width</b>	201.5 mm
<b>Depth</b>	213 mm
<b>Net weight</b>	7.4 kg

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	25 cm
<b>Package 1 Width</b>	25 cm
<b>Package 1 Length</b>	25.1 cm
<b>Package 1 Weight</b>	8.03 kg

## 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 Better



#### Materials and Substances

PVC free

Yes

### 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