

# Product data sheet

Specifications



## TeSys F magnetic latching contactor - 3P(3 NO) - 185 A - 48 V DC coil

CR1F185EZ7

⚠ Discontinued on: Jul 12, 2021

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### Main

Range	TeSys
Product name	TeSys F
Product or Component Type	Magnetic latching contactor
Device short name	CR1F
Contactor application	Resistive load Motor control
Utilisation category	AC-1 AC-4 AC-3
Poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	1000 V AC 25...200 Hz
[Ie] rated operational current	185 A (at <104 °F (40 °C)) at <= 440 V AC AC-3 275 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 170 A (at <104 °F (40 °C)) at <= 440 V AC AC-4
Control circuit type	DC low consumption
[Uc] control circuit voltage	48 V DC
Irms rated making capacity	2100 A
Rated breaking capacity	1800 A at 220...440 V 1600 A at 500 V 600 A at 1000 V 1200 A at 660/690 V
[Icw] rated short-time withstand current	1500 A 104 °F (40 °C) - 1 s 1500 A 104 °F (40 °C) - 5 s 1500 A 104 °F (40 °C) - 10 s 920 A 104 °F (40 °C) - 30 s 740 A 104 °F (40 °C) - 1 min 500 A 104 °F (40 °C) - 3 min 400 A 104 °F (40 °C) - 10 min
Associated fuse rating	200 aM at <= 440 V 315 A BS88 at <= 440 V 315 A gG at <= 440 V
Average impedance	0.36 mOhm - Ith 275 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60158-1 1000 V IEC 60947-4 1000 V BS 775 1500 V VDE 0110 group C
Power dissipation per pole	12 W AC-3 26 W AC-1

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Connections - terminals</b>	bars 2.25 x 3 mm lugs-ring terminals 1 0.2 in <sup>2</sup> (150 mm <sup>2</sup> ) connector 1 0.2 in <sup>2</sup> (150 mm <sup>2</sup> )
<b>Tightening torque</b>	159.3 lbf.in (18 N.m)
<b>Operating time</b>	35...40 ms latching 50...100 ms unlatching
<b>Mechanical durability</b>	1 Mcycles
<b>Maximum operating rate</b>	120 cyc/h 104 °F (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>	500 W DC latching 20 W DC unlatching

## Environment

<b>Protective treatment</b>	TC
<b>Ambient Air Temperature for Operation</b>	5...158 °F (-15...70 °C)
<b>Ambient Air Temperature for Storage</b>	-76...176 °F (-60...80 °C)
<b>Operating altitude</b>	9842.52 ft (3000 m) without derating
<b>Height</b>	6.9 in (174 mm)
<b>Width</b>	6.6 in (168.5 mm)
<b>Depth</b>	7.1 in (181 mm)
<b>Net Weight</b>	10.1 lb(US) (4.6 kg)

## Ordering and shipping details

<b>Category</b>	22336-CTR,F-LINE,AC,OPEN,NONREV
<b>Discount Schedule</b>	I12
<b>GTIN</b>	3389110548082
<b>Returnability</b>	No

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	8.3 in (21 cm)
<b>Package 1 Width</b>	7.9 in (20 cm)
<b>Package 1 Length</b>	9.4 in (24 cm)
<b>Package weight(Lbs)</b>	11.281 lb(US) (5.117 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

[EU RoHS Directive](#)

Compliant

California proposition 65

**WARNING:** This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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.