

# Product data sheet

Specifications



## TeSys F magnetic latching contactor - 3P(3 NO) - 150 A - 208 V AC/DC coil

CR1F150L7

⚠ Discontinued on: Jan 23, 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	Motor control Resistive load
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	150 A (at <104 °F (40 °C)) at <= 440 V AC AC-3 250 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 138 A (at <104 °F (40 °C)) at <= 440 V AC AC-4
Control circuit type	AC 50...400 Hz DC standard
[Uc] control circuit voltage	208 V AC 50...400 Hz 208 V DC
Irms rated making capacity	1700 A
Rated breaking capacity	1500 A at 220...440 V 1200 A at 500 V 450 A at 1000 V 1100 A at 660/690 V
[Icw] rated short-time withstand current	1200 A 104 °F (40 °C) - 1 s 1200 A 104 °F (40 °C) - 5 s 1200 A 104 °F (40 °C) - 10 s 700 A 104 °F (40 °C) - 30 s 600 A 104 °F (40 °C) - 1 min 450 A 104 °F (40 °C) - 3 min 350 A 104 °F (40 °C) - 10 min
Associated fuse rating	160 A aM at <= 440 V 250 A BS88 at <= 440 V 250 A gG at <= 440 V
Average impedance	0.45 mOhm - Ith 250 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	6 W AC-3 18 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>	lugs-ring terminals 1 0.2 in <sup>2</sup> (120 mm <sup>2</sup> ) connector 1 0.2 in <sup>2</sup> (120 mm <sup>2</sup> ) bars 2 25 x 3 mm
<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>	1260 VA AC 50...400 Hz latching 10 VA AC 50...400 Hz unlatching 1260 VA DC latching 10 VA 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>	6.7 in (170 mm)
<b>Width</b>	6.4 in (163.5 mm)
<b>Depth</b>	6.7 in (171 mm)
<b>Net Weight</b>	7.7 lb(US) (3.5 kg)

## Ordering and shipping details

<b>Category</b>	22336-CTR,F-LINE,AC,OPEN,NONREV
<b>Discount Schedule</b>	I12
<b>GTIN</b>	3389118089556
<b>Returnability</b>	No
<b>Country of origin</b>	CZ

## 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>	9.6 in (24.5 cm)
<b>Package weight(Lbs)</b>	9.30 lb(US) (4.22 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)

### Use Longer



#### Lifetime extension

Repair

No

### Use Again




#### Repack and remanufacture

[Circularity Profile](#)

[End of Life Information](#)

WEEE Label

 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.