

# Product data sheet

Specifications



## TeSys F magnetic latching contactor - 4P - 1000 A - 110 V DC coil - low consum.

CR1F6304FZ7

⚠ Discontinued

### Main

Range	TeSys
Product name	TeSys F
Product or Component Type	Magnetic latching contactor
Device short name	CR1F
Device Application	Control
Contactors application	Resistive load Motor control
Utilisation category	AC-3 AC-4 AC-1
Poles description	4P
power pole contact composition	4 NO
[Ue] rated operational voltage	1000 V AC 25...200 Hz
[Ie] rated operational current	630 A (at <104 °F (40 °C)) at <= 440 V AC AC-3 1000 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 560 A (at <104 °F (40 °C)) at <= 440 V AC AC-4
Motor power kW	450 kW at 1000 V AC 50/60 Hz 450 kW at 690 V AC 50/60 Hz 400 kW at 500...660 V AC 50/60 Hz 400 kW at 440 V AC 50/60 Hz 375 kW at 415 V AC 50/60 Hz 335 kW at 380...400 V AC 50/60 Hz 200 kW at 220...230 V AC 50/60 Hz
motor power HP (UL / CSA)	800 hp at 575...600 V AC 50/60 Hz for 3 phase motors 600 hp at 460...480 V AC 50/60 Hz for 3 phase motors 300 hp at 220...240 V AC 50/60 Hz for 3 phase motors 250 hp at 200...208 V AC 50/60 Hz for 3 phase motors
[Uc] control circuit voltage	110 V DC low consumption
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	1000 A (at 104 °F (40 °C))
Irms rated making capacity	6740 A
Rated breaking capacity	6300 A at 220...440 V 5400 A at 500 V 3200 A at 1000 V 4600 A at 660/690 V

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

<b>[Icw] rated short-time withstand current</b>	4400 A 104 °F (40 °C) - 30 s 3400 A 104 °F (40 °C) - 1 min 2200 A 104 °F (40 °C) - 3 min 1600 A 104 °F (40 °C) - 10 min 5050 A 104 °F (40 °C) - 1 s 5050 A 104 °F (40 °C) - 5 s 5050 A 104 °F (40 °C) - 10 s
<b>Associated fuse rating</b>	630 A aM at <= 440 V 1000 A BS88 at <= 440 V 1000 A gG at <= 440 V
<b>Average impedance</b>	0.12 mOhm - lth 1000 A 50 Hz
<b>[Ui] rated insulation voltage</b>	1000 V IEC 60158-1 1000 V IEC 60947-4 1000 V BS 775 1500 V VDE 0110 group C
<b>Power dissipation per pole</b>	48 W AC-3 120 W AC-1
<b>Connections - terminals</b>	bars 2 60 x 5 mm
<b>Tightening torque</b>	513.3 lbf.in (58 N.m)
<b>Operating time</b>	40...80 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>	620 W DC latching 45 W DC unlatching

## Environment

<b>Protective treatment</b>	TH
<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>	12.0 in (304 mm)
<b>Width</b>	15.3 in (389 mm)
<b>Depth</b>	10.04 in (255 mm)
<b>Net Weight</b>	47.4 lb(US) (21.5 kg)

## Ordering and shipping details

<b>Category</b>	22331-CTR,F-LINE,DC,OPEN,NONREV
<b>Discount Schedule</b>	I12
<b>GTIN</b>	3389110548969
<b>Returnability</b>	No

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1

# Contractual warranty

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Warranty (in months)

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](#)