

# Product data sheet

Specifications



## TeSys F magnetic latching contactor - 4P(4 NO) - 400 A - 110 V AC/DC coil

CR1F4004F7

⚠ Discontinued on: Jan 23, 2021

⚠ Discontinued

### Main

Range	TeSys
Product Name	TeSys F
Product Or Component Type	Magnetic latching contactor
Device Short Name	CR1F
Device Application	Control
Contactor Application	Motor control Resistive load
Utilisation Category	AC-4 AC-1 AC-3
Poles Description	4P
Power Pole Contact Composition	4 NO
[Ue] Rated Operational Voltage	1000 V AC 25...200 Hz
[Ie] Rated Operational Current	400 A (at <104 °F (40 °C)) at <= 440 V AC AC-3 500 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 370 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	110 V AC 50...400 Hz 110 V DC
Irms Rated Making Capacity	4500 A
Rated Breaking Capacity	4000 A at 220...440 V 3500 A at 500 V 1200 A at 1000 V 3000 A at 660/690 V
[Icw] Rated Short-Time Withstand Current	3600 A 104 °F (40 °C) - 1 s 3600 A 104 °F (40 °C) - 5 s 3600 A 104 °F (40 °C) - 10 s 2400 A 104 °F (40 °C) - 30 s 1700 A 104 °F (40 °C) - 1 min 1200 A 104 °F (40 °C) - 3 min 1000 A 104 °F (40 °C) - 10 min
Associated Fuse Rating	400 A aM at <= 440 V 500 A BS88 at <= 440 V 500 A gG at <= 440 V
Average Impedance	0.28 mOhm - Ith 500 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

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Power Dissipation Per Pole	45 W AC-3 70 W AC-1
Connections - Terminals	lugs-ring terminals 2 0.23 in² (150 mm²) bars 2 30 x 5 mm Power circuit bolted connection
Tightening Torque	309.78 lbf.in (35 N.m)
Operating Time	40...75 ms latching 50...100 ms unlatching
Mechanical Durability	1 Mcycles
Maximum Operating Rate	120 cyc/h 104 °F (40 °C)

## Complementary

Control Circuit Voltage Limits	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
Average Consumption	1600 VA AC 50...400 Hz latching 16 VA AC 50...400 Hz unlatching 1600 VA DC latching 16 VA DC unlatching

## Environment

Protective Treatment	TC
Ambient Air Temperature For Operation	5...158 °F (-15...70 °C)
Ambient Air Temperature For Storage	-76...176 °F (-60...80 °C)
Operating Altitude	9842.52 ft (3000 m) without derating
Height	8.11 in (206 mm)
Width	10.28 in (261 mm)
Depth	8.62 in (219 mm)
Net Weight	22.49 lb(US) (10.2 kg)

## Ordering and shipping details

Category	22336-CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
Gtin	03389110548617
Returnability	No
Country Of Origin	CZ

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

## Contractual warranty

Warranty	18 months
----------	-----------

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency   RoHS/REACH

Well-being performance

 Mercury Free

 RoHS Exemption Information   [Yes](#)

Certifications & Standards

Eu Rohs Directive	Compliant <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
California Proposition 65	WARNING: Cancer and Reproductive Harm - <a href="#">www.P65Warnings.ca.gov</a>