Product data sheet

Specifications

Green Premium™

Bistable contactor CR1-F - 4P - AC-1 440V 1000 A - coil 415 V

CR1F6304N7

Discontinued on: Jul 12, 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-1 AC-3 AC-4
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	415 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ith] Conventional Free Air Thermal Current	1000 A (at 104 °F (40 °C)) for power circuit
Irms Rated Making Capacity	6740 A for power circuit
Rated Breaking Capacity	3200 A at 1000 V 6300 A at 220...440 V for power circuit 5400 A at 500 V for power circuit 4600 A at 660/690 V for power circuit

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

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

[Icw] Rated Short-Time Withstand Current	5.05 kA 104 °F (40 °C) - 1 s 5.05 kA 104 °F (40 °C) - 5 s 5.05 kA 104 °F (40 °C) - 10 s 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
Associated Fuse Rating	630 A aM at <= 440 V for power circuit 1000 A BS88 at <= 440 V for power circuit 1000 A gG at <= 440 V for power circuit
Average Impedance	0.12 mOhm - Ith 1000 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	48 W AC-3 120 W AC-1
Mounting Support	Notched AM1-EC rail
Standards	VDE 0660 BS 5424 IEC 60947-4 JEM 1038 NF C 63-110
Product Certifications	USSR BV ASE GL UL LROS (Lloyds register of shipping) Veritas RINA CSA
Connections - Terminals	bars 2 60 x 5 mm
Tightening Torque	513.34 lbf.in (58 N.m)
Operating Time	40...80 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	11 VA AC 50...400 Hz unlatching 2300 VA AC 50...400 Hz latching 11 VA DC unlatching 2300 VA DC latching

Environment

Ip Degree Of Protection	IP20 front face IEC 60529
Protective Treatment	TH
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	11.97 in (304 mm)
Width	15.31 in (389 mm)

Depth	10.04 in (255 mm)
Net Weight	47.40 lb(US) (21.5 kg)

Ordering and shipping details

Category	22331-CTR,F-LINE,DC,OPEN,NONREV
Discount Schedule	I12
Gtin	3389110549027
Returnability	No

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	10.83 in (27.5 cm)
Package 1 Width	13.39 in (34 cm)
Package 1 Length	16.93 in (43 cm)
Package 1 Weight	44.33 lb(US) (20.11 kg)

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_2 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 EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
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: 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