Product data sheet

Specifications

Green Premium™

Bistable contactor CR1-F - 4P - AC-1 440V 250 A - coil 127 V

CR1F1504G7

Discontinued on: Jan 23, 2021

Discontinued

Product availability: Non-Stock - Not normally stocked in distribution facility

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-4 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	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
Motor Power Kw	65 kW at 1000 V AC 50/60 Hz 100 kW at 690 V AC 50/60 Hz 90 kW at 500...660 V AC 50/60 Hz 80 kW at 440 V AC 50/60 Hz 80 kW at 415 V AC 50/60 Hz 75 kW at 380...400 V AC 50/60 Hz 40 kW at 220...230 V AC 50/60 Hz
Motor Power Hp (Ul / Csa)	125 hp at 575...600 V AC 50/60 Hz for 3 phase motors 100 hp at 460...480 V AC 50/60 Hz for 3 phase motors 50 hp at 220...240 V AC 50/60 Hz for 3 phase motors 40 hp at 200...208 V AC 50/60 Hz for 3 phase motors
[Uc] Control Circuit Voltage	127 V AC 50...400 Hz 127 V DC standard
[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ith] Conventional Free Air Thermal Current	250 A (at 104 °F (40 °C)) for power circuit
Irms Rated Making Capacity	1700 A for power circuit
Rated Breaking Capacity	1500 A at 220...440 V for power circuit 1200 A at 500 V for power circuit 450 A at 1000 V for power circuit 1100 A at 660/690 V for power circuit

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

[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 for power circuit 250 A BS88 at <= 440 V for power circuit 250 A gG at <= 440 V for power circuit
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
Mounting Support	Notched AM1-EC rail Panel mounting
Standards	BS 5424 VDE 0660 IEC 60947-4 JEM 1038 NF C 63-110
Product Certifications	Veritas UL USSR ASE BV LROS (Lloyds register of shipping) CSA GL RINA
Connections - Terminals	lugs-ring terminals 1 0.19 in² (120 mm²) connector 1 0.19 in² (120 mm²) bars 2 25 x 3 mm
Tightening Torque	159.31 lbf.in (18 N.m)
Operating Time	35...40 ms latching 50...100 ms unlatching
Mechanical Durability	1 Mcycles
Maximum Operating Rate	120 cyc/h 131 °F (55 °C)

Complementary

Control Circuit Voltage Limits	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
Average Consumption	1260 VA AC 50...400 Hz latching 10 VA AC 50...400 Hz unlatching 1260 VA DC latching 10 VA DC unlatching

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	6.69 in (170 mm)

Width	7.93 in (201.5 mm)
Depth	6.73 in (171 mm)
Net Weight	8.38 lb(US) (3.8 kg)

Ordering and shipping details

Category	US10I1222336
Discount Schedule	0I12
Gtin	03389110548020
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_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.
Circularity Profile	End of Life Information
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