Product data sheet

Specifications

Green Premium™

Magnetic latching contactor,TeSys F,3P(3NO),AC-3 <=440V 185A, 220-230V DC coil

CR1F185M7

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

Price*: 1,847.00 USD

Main

Range	TeSys
Product Name	TeSys F
Product Or Component Type	Magnetic latching contactor
Device Short Name	CR1F
Device Application	Control
Contactor Application	Resistive load Motor control
Utilisation Category	AC-4 AC-1 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	185 A (at <104 °F (40 °C)) at <= 440 V AC AC-3 275 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 170 A (at <104 °F (40 °C)) at <= 440 V AC AC-4
Motor Power Kw	90 kW at 400 V AC 50/60 Hz (AC-4)
Control Circuit Type	AC 50...400 Hz DC standard
[Uc] Control Circuit Voltage	220...230 V AC 50...400 Hz 220...230 V DC
Irms Rated Making Capacity	2100 A
Rated Breaking Capacity	1800 A at 220...440 V 1600 A at 500 V 600 A at 1000 V 1200 A at 660/690 V
[Icw] Rated Short-Time Withstand Current	1500 A 104 °F (40 °C) - 1 s 1500 A 104 °F (40 °C) - 5 s 1500 A 104 °F (40 °C) - 10 s 920 A 104 °F (40 °C) - 30 s 740 A 104 °F (40 °C) - 1 min 500 A 104 °F (40 °C) - 3 min 400 A 104 °F (40 °C) - 10 min
Associated Fuse Rating	200 A aM at <= 440 V 315 A BS88 at <= 440 V 315 A gG at <= 440 V
Average Impedance	0.36 mOhm - Ith 275 A 50 Hz

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

[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	12 W AC-3 26 W AC-1
Standards	EN/IEC 60947-1 EN/IEC 60947-4-1 JIS C8201-4-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product Certifications	CB Scheme UL CSA EAC CE UKCA
Connections - Terminals	bars 2 25 x 3 mm lugs-ring terminals 1 0.23 in² (150 mm²) connector 1 0.23 in² (150 mm²) Power circuit bolted connection
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 104 °F (40 °C)

Complementary

Control Circuit Voltage Limits	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
Average Consumption	1750 VA AC 50...400 Hz latching 11 VA AC 50...400 Hz unlatching 1750 VA DC latching 11 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	6.85 in (174 mm)
Width	6.63 in (168.5 mm)
Depth	7.13 in (181 mm)
Net Weight	10.14 lb(US) (4.6 kg)

Ordering and shipping details

Category	US10I1222331
Discount Schedule	0I12
Gtin	3389110548150
Returnability	No
Country Of Origin	CZ

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.27 in (21.0 cm)
Package 1 Width	7.87 in (20.0 cm)
Package 1 Length	9.45 in (24.0 cm)
Package 1 Weight	11.19 lb(US) (5.075 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
Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
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