

CR1F400M7

TeSys F magnetic latching contactor - 3P(3 NO) - 400 A - 220...230 V AC/DC coil



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	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	1000 V AC 25...200 Hz
[Ie] rated operational current	400 A 104 °F (40 °C)) <= 440 V AC AC-3 500 A 104 °F (40 °C)) <= 440 V AC AC-1 370 A 104 °F (40 °C)) <= 440 V AC AC-4
Motor power kW	200 kW 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	4500 A
Rated breaking capacity	4000 A 220...440 V 3500 A 500 V 1200 A 1000 V 3000 A 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 <= 440 V 500 A BS88 <= 440 V 500 A gG <= 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
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)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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)
Maximum Width	8.39 in (213 mm)
Depth	8.62 in (219 mm)
Net Weight	20.06 lb(US) (9.1 kg)

Ordering and shipping details

Category	22336 - CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	00785901548553
Nbr. of units in pkg.	1
Package weight(Lbs)	20.44 lb(US) (9.27 kg)
Returnability	No
Country of origin	CZ

Packing Units

Package 1 Height	2.500 dm
Package 1 width	2.350 dm
Package 1 Length	3.000 dm

Offer Sustainability

Sustainable offer status	Green Premium product
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
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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