

Product data sheet

Characteristics

CR1F265L7

TeSys F magnetic latching contactor - 3P(3 NO) - 265 A - 208 V AC/DC coil



Main

Range	TeSys
Product name	TeSys F
Product or component type	Magnetic latching contactor
Device short name	CR1F
Contactor application	Motor control Resistive load
Utilisation category	AC-3 AC-4 AC-1
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	1000 V AC 25...200 Hz
[Ie] rated operational current	265 A (at <40 °C) at ≤ 440 V AC AC-3 350 A (at <40 °C) at ≤ 440 V AC AC-1 245 A (at <40 °C) at ≤ 440 V AC AC-4
Control circuit type	AC at 50...400 Hz DC standard
[Uc] control circuit voltage	208 V AC 50...400 Hz 208 V DC
Irms rated making capacity	2940 A
Rated breaking capacity	2450 A at 220...440 V 2200 A at 500 V 800 A at 1000 V 1700 A at 660/690 V
[Icw] rated short-time withstand current	2200 A 40 °C - 1 s 2200 A 40 °C - 5 s 2200 A 40 °C - 10 s 1230 A 40 °C - 30 s 950 A 40 °C - 1 min 620 A 40 °C - 3 min 480 A 40 °C - 10 min
Associated fuse rating	315 A aM at ≤ 440 V 400 A BS88 at ≤ 440 V 400 A gG at ≤ 440 V
Average impedance	0.32 mOhm - Ith 350 A 50 Hz
[Ui] rated insulation voltage	1000 V conforming to IEC 60158-1 1000 V conforming to IEC 60947-4 1000 V conforming to BS 775 1500 V conforming to VDE 0110 group C
Power dissipation per pole	22 W AC-3 39 W AC-1
Connections - terminals	Lugs-ring terminals 1 cable(s) 240 mm² Connector 1 cable(s) 240 mm² Bars 2 cable(s) - busbar cross section: 32 x 4 mm
Tightening torque	35 N.m
Operating time	40...75 ms latching 50...100 ms unlatching
Mechanical durability	1 Mcycles
Maximum operating rate	120 cyc/h 40 °C

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Complementary

Control circuit voltage limits	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
Average consumption	1800 VA AC 50...400 Hz latching 12 VA AC 50...400 Hz unlatching 1800 VA DC latching 12 VA DC unlatching

Environment

Protective treatment	TC
Ambient air temperature for operation	-15...70 °C
Ambient air temperature for storage	-60...80 °C
Operating altitude	3000 m without derating
Height	203 mm
Width	201.5 mm
Depth	213 mm
Net weight	7.4 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

Warranty	18 months
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