



CR1F265FZ7

TeSys F magnetic latching contactor - 3P(3 NO) - 265 A - 110 V 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	Resistive load Motor control
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	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
Motor power kW	132 kW at 400 V AC 50/60 Hz (AC-4)
Control circuit type	DC low consumption
[Uc] control circuit voltage	110 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 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 mm ² Connector 1 cable(s) 240 mm ² Bars 2 cable(s) - busbar cross section: 32 x 4 mm Power circuit: bolted connection
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

Complementary

Control circuit voltage limits	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
Average consumption	500 W DC latching 40 W 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
Package 1 Height	23.5 cm
Package 1 Width	24.5 cm
Package 1 Length	26.5 cm
Package 1 Weight	7.35 kg

Contractual warranty

Warranty	18 months
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