



Commercial status

End of Commercialisation :

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Main

Range	TeSys
Product name	TeSys F
Product or component type	Magnetic latching contactor
Device short name	CR1F
Contactor application	Resistive load Motor control
Utilisation category	AC-3 AC-4 AC-1
Poles description	4P
Pole contact composition	4 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	DC low consumption
[Uc] control circuit voltage	48 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 mm ² Connector 1 cable(s) 240 mm ² 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

Complementary

Control circuit voltage limits	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
Average coil 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
Height	203 Mm
Width	244.5 Mm
Depth	213 Mm
Net weight	8.5 Kg

Product Life Status : **End of commercialisation**