

Price* : 1,175.07 GBP



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-4 AC-3 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
Motor power kW	147 kW at 1000 V AC 50/60 Hz 160 kW at 690 V AC 50/60 Hz 160 kW at 500...660 V AC 50/60 Hz 140 kW at 440 V AC 50/60 Hz 140 kW at 415 V AC 50/60 Hz 132 kW at 380...400 V AC 50/60 Hz 75 kW at 220...230 V AC 50/60 Hz
Motor power HP (UL / CSA)	175 hp at 575...600 V AC 50/60 Hz for 3 phases motors 150 hp at 460...480 V AC 50/60 Hz for 3 phases motors 75 hp at 220...240 V AC 50/60 Hz for 3 phases motors 60 hp at 200...208 V AC 50/60 Hz for 3 phases motors
[Uc] control circuit voltage	220 V DC low consumption
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	350 A (at 40 °C)
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

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

[I _{cw}] 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
[U _i] 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	50...100 ms unlatching 45...50 ms latching
Mechanical durability	1 Mcycles
Maximum operating rate	120 cyc/h 40 °C

Complementary

Control circuit voltage limits	Latching: 0.85...1.1 U _c Unlatching: 0.85...1.1 U _c
Average consumption	500 W DC latching 40 W DC unlatching

Environment

Protective treatment	TH
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	201.5 mm
Depth	213 mm
Product weight	7.4 kg

Offer Sustainability

REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your 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
----------	-----------