



Price* : 461.13 GBP



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-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	150 A (at <40 °C) at <= 440 V AC AC-3 250 A (at <40 °C) at <= 440 V AC AC-1 138 A (at <40 °C) at <= 440 V AC AC-4
Motor power kW	65 kW at 1000 V AC 50/60 Hz 100 kW at 690 V AC 50/60 Hz 90 kW at 500...660 V AC 50/60 Hz 80 kW at 440 V AC 50/60 Hz 80 kW at 415 V AC 50/60 Hz 75 kW at 380...400 V AC 50/60 Hz 40 kW at 220...230 V AC 50/60 Hz
Motor power HP (UL / CSA)	125 hp at 575...600 V AC 50/60 Hz for 3 phases motors 100 hp at 460...480 V AC 50/60 Hz for 3 phases motors 50 hp at 220...240 V AC 50/60 Hz for 3 phases motors 40 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	250 A (at 40 °C)

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

Irms rated making capacity	1700 A
Rated breaking capacity	1500 A at 220...440 V 1200 A at 500 V 450 A at 1000 V 1100 A at 660/690 V
[Icw] rated short-time withstand current	1200 A 40 °C - 1 s 1200 A 40 °C - 5 s 1200 A 40 °C - 10 s 700 A 40 °C - 30 s 600 A 40 °C - 1 min 450 A 40 °C - 3 min 350 A 40 °C - 10 min
Associated fuse rating	160 A aM at <= 440 V 250 A BS88 at <= 440 V 250 A gG at <= 440 V
Average impedance	0.45 mOhm - Ith 250 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	6 W AC-3 18 W AC-1
Connections - terminals	Lugs-ring terminals 1 cable(s) 120 mm ² Connector 1 cable(s) 120 mm ² Bars 2 cable(s) - busbar cross section: 25 x 3 mm
Tightening torque	18 N.m
Operating time	35...40 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 15 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	170 mm
Width	163.5 mm
Depth	171 mm
Product weight	3.5 kg

Offer Sustainability

Sustainable offer status	Green Premium product
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
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
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Contractual warranty

Warranty	18 months
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