



Product availability : Stock - Normally stocked in distribution facility



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-3 AC-1 AC-4
Poles description	3P
Pole contact composition	3 NO
System Voltage	1000 V AC 25...200 Hz
[Ie] rated operational current	250 A (<= 104 °F (40 °C)) at <= 440 V AC AC-1 150 A (<= 104 °F (40 °C)) at <= 440 V AC AC-3 138 A (<= 104 °F (40 °C)) at <= 440 V AC AC-4
Motor power kW	75 kW 400 V AC 50/60 Hz AC-4
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	240 V AC 50/60 Hz
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 <= 104 °F (40 °C) 10 s 700 A <= 104 °F (40 °C) 30 s 600 A <= 104 °F (40 °C) 1 min 450 A <= 104 °F (40 °C) 3 min 350 A <= 104 °F (40 °C) 10 min 1200 A <= 104 °F (40 °C) 1 s

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

	1200 A <= 104 °F (40 °C) 5 s
Associated fuse rating	160 A aM at <= 440 V 250 A gG at <= 440 V 250 A BS88 at <= 440 V
Average impedance	0.45 mOhm at 50 Hz - lth 250 A
[Ui] rated insulation voltage	1500 V conforming to VDE 0110 group C 1000 V conforming to IEC 60158-1 1000 V conforming to IEC 60947-4 1000 V conforming to BS 775
Power dissipation per pole	18 W AC-1 6 W AC-3
Connections - terminals	Lugs-ring terminals 1 cable(s) 0.19 in ² (120 mm ²) Connector 1 cable(s) 0.19 in ² (120 mm ²) Bars 2 x (25 x 3 mm) Power circuit : bolted connection
Tightening torque	159.29 lbf.in (18 N.m)
Operating time	35...40 ms latching 50...100 ms unlatching
Mechanical durability	1 Mcycles
Operating rate	120 cyc/h at <= 104 °F (40 °C)

Complementary

Control circuit voltage limits	0.85...1.1 Uc latching 0.85...1.1 Uc unlatching
Average coil consumption	1100 VA AC 50/60 Hz latching 7.3 VA AC 50/60 Hz unlatching

Environment

Protective treatment	TC
Ambient air temperature for operation	5...158 °F (-15...70 °C)
Ambient air temperature for storage	-76...176 °F (-60...80 °C)
Operating altitude	9842.52 ft (3000 m) without derating in temperature
Height	6.69 in (170 mm)
Width	6.44 in (163.5 mm)
Depth	6.73 in (171 mm)
Product weight	7.72 lb(US) (3.5 kg)

Ordering and shipping details

Category	22336 - CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	00785901547969
Nbr. of units in pkg.	1
Package weight(Lbs)	9.060000000000005
Returnability	N
Country of origin	CZ

Contractual warranty

Warranty period	18 months
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