

Price\* : 2,141.00 USD



⚠ Discontinued

CR1F2654FZ7 has not been replaced. Please contact your customer care center for more information.

## 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-1 AC-3 AC-4
Poles description	4P
Power pole contact composition	4 NO
System Voltage	1000 V AC 25...200 Hz
[Ie] rated operational current	350 A (<= 104 °F (40 °C)) at <= 440 V AC AC-1 265 A (<= 104 °F (40 °C)) at <= 440 V AC AC-3 245 A (<= 104 °F (40 °C)) at <= 440 V AC AC-4
Motor power kW	160 kW at 690 V AC 50/60 Hz 160 kW at 500...660 V AC 50/60 Hz 132 kW at 380...400 V AC 50/60 Hz 140 kW at 415 V AC 50/60 Hz 140 kW at 440 V AC 50/60 Hz 147 kW at 1000 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 3 phases motors 150 hp at 460...480 V AC 50/60 Hz 3 phases motors 75 hp at 220...240 V AC 50/60 Hz 3 phases motors 60 hp at 200...208 V AC 50/60 Hz 3 phases motors
[Uc] control circuit voltage	110 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
[Icw] rated short-time withstand current	2200 A <= 104 °F (40 °C) 10 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

	1230 A <= 104 °F (40 °C) 30 s 950 A <= 104 °F (40 °C) 1 min 620 A <= 104 °F (40 °C) 3 min 480 A <= 104 °F (40 °C) 10 min 2200 A <= 104 °F (40 °C) 1 s 2200 A <= 104 °F (40 °C) 5 s
Associated fuse rating	315 A aM at <= 440 V 400 A gG at <= 440 V 400 A BS88 at <= 440 V
Average impedance	0.32 mOhm at 50 Hz - lth 350 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	22 W AC-3 39 W AC-1
Connections - terminals	Lugs-ring terminals 1 cable(s) 0.37 in <sup>2</sup> (240 mm <sup>2</sup> ) Connector 1 cable(s) 0.37 in <sup>2</sup> (240 mm <sup>2</sup> ) Bars 2 x (32 x 4 mm)
Tightening torque	309.73 lbf.in (35 N.m)
Operating time	50...100 ms unlatching 45...50 ms latching
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 consumption	500 W DC latching 40 W DC unlatching

### Environment

Protective treatment	TH
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
Height	7.99 in (203 mm)
Width	9.63 in (244.5 mm)
Depth	8.39 in (213 mm)
Product weight	18.74 lb(US) (8.5 kg)

### Ordering and shipping details

Category	22336 - CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
Nbr. of units in pkg.	1
Package weight(Lbs)	19.30000000000001
Returnability	N

### Contractual warranty

Warranty period	18 months
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