

Product data sheet

Specifications



TeSys F magnetic latching contactor - 4P - 350 A - 110 V DC coil - low consum.

CR1F2654FZ7

⚠ Discontinued

Main

Range	TeSys
Product name	TeSys F
Product or Component Type	Magnetic latching contactor
Device short name	CR1F
Device Application	Control
Contactors application	Motor control Resistive load
Utilisation category	AC-4 AC-1 AC-3
Poles description	4P
power pole contact composition	4 NO
[Ue] rated operational voltage	1000 V AC 25...200 Hz
[Ie] rated operational current	265 A (at <104 °F (40 °C)) at <= 440 V AC AC-3 350 A (at <104 °F (40 °C)) at <= 440 V AC AC-1 245 A (at <104 °F (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 phase motors 150 hp at 460...480 V AC 50/60 Hz for 3 phase motors 75 hp at 220...240 V AC 50/60 Hz for 3 phase motors 60 hp at 200...208 V AC 50/60 Hz for 3 phase 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 104 °F (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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

[Icw] rated short-time withstand current	2200 A 104 °F (40 °C) - 1 s 2200 A 104 °F (40 °C) - 5 s 2200 A 104 °F (40 °C) - 10 s 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
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 - lth 350 A 50 Hz
[Ui] rated insulation voltage	1000 V IEC 60158-1 1000 V IEC 60947-4 1000 V BS 775 1500 V VDE 0110 group C
Power dissipation per pole	22 W AC-3 39 W AC-1
Connections - terminals	lugs-ring terminals 1 0.4 in ² (240 mm ²) connector 1 0.4 in ² (240 mm ²) bars 2 32 x 4 mm
Tightening torque	309.8 lbf.in (35 N.m)
Operating time	50...100 ms unlatching 45...50 ms latching
Mechanical durability	1 Mcycles
Maximum operating rate	120 cyc/h 104 °F (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 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	8.0 in (203 mm)
Width	9.6 in (244.5 mm)
Depth	8.4 in (213 mm)
Net Weight	18.7 lb(US) (8.5 kg)

Ordering and shipping details

Category	22336-CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	3389110548433
Returnability	No

Packing Units

Unit Type of Package 1	PCE
-------------------------------	-----

Nbr. of units in pkg. 1

Contractual warranty

Warranty (in months) 18



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Longer



Lifetime extension

Repair

No