

Product data sheet

Specifications



Bistable contactor CR1-F - 4P - AC-1 440V 350 A - coil 127 V

CR1F2654G7

⚠ Discontinued on: Jul 12, 2021

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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-3 AC-1 AC-4
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	127 V AC 50...400 Hz 127 V DC standard
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	350 A (at 104 °F (40 °C)) for power circuit
Irms rated making capacity	2940 A for power circuit
Rated breaking capacity	2450 A at 220...440 V for power circuit 2200 A at 500 V for power circuit 800 A at 1000 V for power circuit 1700 A at 660/690 V for power circuit

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 aM at <= 440 V for power circuit 400 BS88 at <= 440 V for power circuit 400 aG at <= 440 V for power circuit
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
Mounting Support	Notched AM1-EC rail Panel mounting
Standards	IEC 60947-4 NF C 63-110 VDE 0660 BS 5424 JEM 1038
Product Certifications	USSR BV UL CSA Veritas ASE RINA GL LROS (Lloyds register of shipping)
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	40...75 ms latching 50...100 ms unlatching
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	1800 VA AC 50...400 Hz latching 12 VA AC 50...400 Hz unlatching 1800 VA DC latching 12 VA DC unlatching

Environment

IP degree of protection	IP20 front face IEC 60529
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	22331-CTR,F-LINE,DC,OPEN,NONREV
Discount Schedule	112
GTIN	3389110548464
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	9.3 in (23.5 cm)
Package 1 Width	9.6 in (24.5 cm)
Package 1 Length	10.4 in (26.5 cm)
Package weight(Lbs)	19.31 lb(US) (8.76 kg)

Contractual warranty

Warranty (in months)	18
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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 Better



Materials and Substances

[EU RoHS Directive](#)

Compliant

California proposition 65

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

PVC free

Yes

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.