

# Product data sheet

Specifications



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

CR1F2654G7

⚠ Discontinued on: Jul 12, 2021

⚠ Discontinued

### 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 (UI / 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.

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

[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 for power circuit 400 A BS88 at <= 440 V for power circuit 400 A gG at <= 440 V for power circuit
Average Impedance	0.32 mOhm - Ith 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 0.37 in² (240 mm²) connector 1 0.37 in² (240 mm²) bars 2 32 x 4 mm
Tightening Torque	309.78 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	7.99 in (203 mm)

Width	9.63 in (244.5 mm)
Depth	8.39 in (213 mm)
Net Weight	18.74 lb(US) (8.5 kg)

## Ordering and shipping details

Category	22331-CTR,F-LINE,DC,OPEN,NONREV
Discount Schedule	I12
Gtin	3389110548464
Returnability	No
Country Of Origin	CZ

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.25 in (23.5 cm)
Package 1 Width	9.65 in (24.5 cm)
Package 1 Length	10.43 in (26.5 cm)
Package 1 Weight	19.31 lb(US) (8.76 kg)

## Contractual warranty

Warranty	18 months
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Sustainability



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**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency   RoHS/REACH

Well-being performance

✓	Mercury Free	
✓	Rohs Exemption Information	Yes
✓	Pvc Free	

Certifications & Standards

Eu Rohs Directive	Compliant <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	<a href="#">End of Life Information</a>
California Proposition 65	WARNING: Cancer and Reproductive Harm - <a href="#">www.P65Warnings.ca.gov</a>