

# CR1F150M7

TeSys F magnetic latching contactor - 3P(3 NO) - 150 A - 220...230 V AC/DC coil



## 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	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	1000 V AC 25...200 Hz
[Ie] rated operational current	150 A 104 °F (40 °C) <= 440 V AC AC-3 250 A 104 °F (40 °C) <= 440 V AC AC-1 138 A 104 °F (40 °C) <= 440 V AC AC-4
Motor power kW	75 kW 400 V AC 50/60 Hz AC-4)
Control circuit type	AC 50...400 Hz DC standard
[Uc] control circuit voltage	220...230 V AC 50...400 Hz 220...230 V DC
Irms rated making capacity	1700 A
Rated breaking capacity	1500 A 220...440 V 1200 A 500 V 450 A 1000 V 1100 A 660/690 V
[Icw] rated short-time withstand current	1200 A 104 °F (40 °C) - 1 s 1200 A 104 °F (40 °C) - 5 s 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
Associated fuse rating	160 A aM <= 440 V 250 A BS88 <= 440 V 250 A gG <= 440 V
Average impedance	0.45 mOhm - Ith 250 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	6 W AC-3 18 W AC-1
Connections - terminals	Lugs-ring terminals 1 0.19 in <sup>2</sup> (120 mm <sup>2</sup> ) Connector 1 0.19 in <sup>2</sup> (120 mm <sup>2</sup> ) Bars 2 25 x 3 mm Power circuit bolted connection
Tightening torque	159.31 lbf.in (18 N.m)
Operating time	35...40 ms latching 50...100 ms unlatching
Mechanical durability	1 Mcycles
Maximum operating rate	120 cyc/h 104 °F (40 °C)

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## Complementary

Control circuit voltage limits	Latching 0.85...1.1 Uc Unlatching 0.85...1.1 Uc
Average consumption	1260 VA AC 50...400 Hz latching 10 VA AC 50...400 Hz unlatching 1260 VA DC latching 10 VA DC 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
Height	6.69 in (170 mm)
Maximum Width	6.44 in (163.5 mm)
Depth	6.73 in (171 mm)
Net Weight	7.72 lb(US) (3.5 kg)

## Ordering and shipping details

Category	22336 - CTR,F-LINE,AC,OPEN,NONREV
Discount Schedule	I12
GTIN	00785901547938
Nbr. of units in pkg.	1
Package weight(Lbs)	9.2 lb(US) (4.17 kg)
Returnability	No
Country of origin	CZ

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	7.87 in (20 cm)
Package 1 width	8.27 in (21 cm)
Package 1 Length	9.65 in (24.5 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	2
Package 2 Weight	18.61 lb(US) (8.44 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Contractual warranty

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Warranty	18 months
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