Specifications



TeSys F magnetic latching contactor - 3P(3 NO) - 400 A - 110 V AC/DC coil

CR1F400F7

() Discontinued on: 5 Apr 2023

(!) Discontinued

Main

wam	
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-1 AC-3 AC-4
poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	1000 V AC 25200 Hz
[le] rated operational current	400 A (at <40 °C) at <= 440 V AC AC-3 500 A (at <40 °C) at <= 440 V AC AC-1 370 A (at <40 °C) at <= 440 V AC AC-4
Motor power kW	200 kW at 400 V AC 50/60 Hz (AC-4)
Control circuit type	AC at 50400 Hz DC standard
[Uc] control circuit voltage	110 V AC 50400 Hz 110 V DC
Irms rated making capacity	4500 A
Rated breaking capacity	4000 A at 220440 V 3500 A at 500 V 1200 A at 1000 V 3000 A at 660/690 V
[Icw] rated short-time withstand current	3600 A 40 °C - 1 s 3600 A 40 °C - 5 s 3600 A 40 °C - 10 s 2400 A 40 °C - 30 s 1700 A 40 °C - 1 min 1200 A 40 °C - 3 min 1000 A 40 °C - 10 min
Associated fuse rating	400 A aM at <= 440 V 500 A BS88 at <= 440 V 500 A gG at <= 440 V
Average impedance	0.28 mOhm - Ith 500 A 50 Hz

[Ui] rated insulation voltage	1000 V conforming to IEC 60158-1
-	1000 V conforming to IEC 60947-4
	1000 V conforming to BS 775
	1500 V conforming to VDE 0110 group C
Power dissipation per pole	45 W AC-3
	70 W AC-1
Standards	EN/IEC 60947-1
	EN/IEC 60947-4-1
	JIS C8201-4-1
	UL 60947-4-1
	CSA C22.2 No 60947-4-1
Product certifications	CB Scheme
	UL
	CSA
	EAC
	CE
	UKCA
Connections - terminals	Lugs-ring terminals 2 cable(s) 150 mm ²
	Bars 2 cable(s) - busbar cross section: 30 x 5 mm
	Power circuit: bolted connection
Tightening torque	35 N.m
Operating time	4075 ms latching
	50100 ms unlatching
Mechanical durability	1 Mcycles
Maximum operating rate	120 cyc/h 40 °C

Complementary

Control circuit voltage limits	Latching: 0.851.1 Uc Unlatching: 0.851.1 Uc
average consumption	1600 VA AC 50400 Hz latching 16 VA AC 50400 Hz unlatching 1600 VA DC latching 16 VA DC unlatching

Environment

Protective treatment	TC
ambient air temperature for operation	-1570 °C
ambient air temperature for storage	-6080 °C
Operating altitude	3000 m without derating
Height	206 mm
Width	213 mm
Depth	219 mm
net weight	9.1 kg

Packing Units

-	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25.0 cm
Package 1 Width	23.5 cm
Package 1 Length	30.0 cm
Package 1 Weight	9.28 kg

Contractual warranty

Warranty

18 months

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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.

Yes

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Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information