

# TeSys F magnetic latching contactor - 4P(4 NO) - 185 A - 220...230 V AC/DC coil

CR1F1854M7

! Discontinued on: Dec 30, 2019

#### ! Discontinued

#### Main

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Range	TeSys
Product Name	TeSys F
Product Or Component Type	Magnetic latching contactor
Device Short Name	CR1F
Device Application	Control
Contactor Application	Motor control Resistive load
Utilisation Category	AC-1 AC-4 AC-3
Poles Description	4P
Power Pole Contact Composition	4 NO
[Ue] Rated Operational Voltage	1000 V AC 25200 Hz
[le] Rated Operational Current	185 A (at <40 °C) at <= 440 V AC AC-3 275 A (at <40 °C) at <= 440 V AC AC-1 170 A (at <40 °C) at <= 440 V AC AC-4
Control Circuit Type	AC at 50400 Hz DC standard
[Uc] Control Circuit Voltage	220230 V AC 50400 Hz 220230 V DC
Irms Rated Making Capacity	2100 A
Rated Breaking Capacity	1800 A at 220440 V 1600 A at 500 V 600 A at 1000 V 1200 A at 660/690 V
[Icw] Rated Short-Time Withstand Current	1500 A 40 °C - 1 s 1500 A 40 °C - 5 s 1500 A 40 °C - 10 s 920 A 40 °C - 30 s 740 A 40 °C - 1 min 500 A 40 °C - 3 min 400 A 40 °C - 10 min
Associated Fuse Rating	200 A aM at <= 440 V 315 A BS88 at <= 440 V 315 A gG at <= 440 V
Average Impedance	0.36 mOhm - Ith 275 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	12 W AC-3 26 W AC-1
Connections - Terminals	Bars 2 cable(s) - busbar cross section: 25 x 3 mm Lugs-ring terminals 1 cable(s) 150 mm² Connector 1 cable(s) 150 mm² Power circuit: bolted connection
Tightening Torque	18 N.m
Operating Time	3540 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	1750 VA AC 50400 Hz latching 11 VA AC 50400 Hz unlatching 1750 VA DC latching 11 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	174 mm
Width	208.5 mm
Depth	181 mm
Net Weight	5.4 kg

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	21.5 cm
Package 1 Width	20 cm
Package 1 Length	26.5 cm
Package 1 Weight	6.04 kg

## **Contractual warranty**

Warranty 18 months

## Sustainability

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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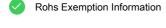




Transparency RoHS/REACh

## Well-being performance





Yes



Pvc Free

#### **Certifications & Standards**

Eu Rohs Directive	Compliant
	EU RoHS Declaration
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
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