

Product datasheet

Specifications



bistable contactor CR1-F - 3 poles - AC-3 440V 185 A - coil 240 V

CR1F185U7

⚠ Discontinued on: 30 Jun 2023

⚠ Discontinued

Main

Range	TeSys
Product name	TeSys F
Product or component type	Magnetic contactor
Device short name	CR1F
Utilisation category	AC-4 AC-3 AC-1
Poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit: 1000 V AC Power circuit: 1000 V DC
[Ie] rated operational current	170 A (at <40 °C) AC/DC AC-4 for power circuit 185 A (at <40 °C) AC/DC AC-3 for power circuit 275 A (at <40 °C) AC/DC AC-1 for power circuit
[Uc] control circuit voltage	240 V AC 50/60 Hz
[Ith] conventional free air thermal current	275 A (at 40 °C) for power circuit
Irms rated making capacity	2100 A for power circuit
Rated breaking capacity	1600 A at 500 V for power circuit 1800 A at 220...440 V for power circuit 600 A at 1000 V for power circuit 1200 A at 600...690 V for power circuit
Associated fuse rating	200 A aM for power circuit 315 A BS88 for power circuit 315 A gG for power circuit
Average impedance	0.36 Ohm - Ith 275 A 50 Hz for control circuit
[Ui] rated insulation voltage	Control circuit: 1000 V conforming to BS 775 Control circuit: 1000 V conforming to IEC 60158-1 Control circuit: 1000 V conforming to IEC 60947-4 Control circuit: 1500 V conforming to VDE 0110 group C
Power dissipation per pole	12 W AC-3 26 W AC-1 30 W AC-4
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

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

Product certifications	CB Scheme UL CSA EAC CE UKCA
Connections - terminals	Bolted connection
Operating time	35...40 ms latching 50...100 ms unlatching
Mechanical durability	1000000 cycles
Maximum operating rate	120 cyc/mn 40 °C
Coil type	Standard

Complementary

Control circuit voltage limits	Latching: 0.85...1.1 Uc Unlatching: 0.85...1.1 Uc
average consumption	1600 VA AC 50/60 Hz latching 8 VA AC 50/60 Hz unlatching

Environment

Protective treatment	TH
Ambient air temperature for operation	-15...70 °C
Operating altitude	3000 m without derating
Operating position	+/- 5°
Height	305 mm
Width	168.5 mm
Depth	181 mm
Net weight	4.6 kg
Quantity per set	Set of 10

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	21.0 cm
Package 1 Width	20.0 cm
Package 1 Length	24.0 cm
Package 1 Weight	5.075 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	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	B2d4179a-eb65-40a3-a1ef-d9a33060486f
EU RoHS Directive	Compliant By Exemption

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