



Glavno

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-3 AC-4
Poles description	3P
Pole contact composition	3 NO
[Ue] rated operational voltage	1000 V AC 25...200 Hz
[Ie] rated operational current	275 A (<= 40 °C) at <= 440 V AC AC-1 185 A (<= 40 °C) at <= 440 V AC AC-3 170 A (<= 40 °C) at <= 440 V AC AC-4
Motor power kW	90 kW 400 V AC 50/60 Hz AC-4
Control circuit type	DC standard AC 50...400 Hz
[Uc] control circuit voltage	220...230 V AC 50...400 Hz 220...230 V DC
Irms rated making capacity	2100 A
Rated breaking capacity	1800 A at 220...440 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 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 1500 A <= 40 °C 1 s 1500 A <= 40 °C 5 s
Associated fuse rating	200 A aM at <= 440 V 315 A gG at <= 440 V 315 A BS88 at <= 440 V
Average impedance	0.36 mOhm at 50 Hz - Ith 275 A
[Ui] rated insulation voltage	1500 V conforming to VDE 0110 group C 1000 V conforming to IEC 60158-1 1000 V conforming to IEC 60947-4 1000 V conforming to BS 775
Power dissipation per pole	12 W AC-3 26 W AC-1
Connections - terminals	Lugs-ring terminals 1 cable(s) 150 mm ² Connector 1 cable(s) 150 mm ² Bars 2 x (25 x 3 mm) Power circuit: bolted connection
Tightening torque	18 N.m
Operating time	35...40 ms latching 50...100 ms unlatching
Mechanical durability	1 Mcycles
Operating rate	120 cyc/h at <= 40 °C

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Komplementarno

Control circuit voltage limits	0.85...1.1 Uc latching 0.85...1.1 Uc unlatching
Average coil consumption	1750 VA AC 50...400 Hz latching 1750 VA DC latching 11 VA AC 50...400 Hz unlatching 11 VA DC unlatching

Okolina

protective treatment	TC
ambient air temperature for operation	-15...70 °C
ambient air temperature for storage	-60...80 °C
operating altitude	3000 m without derating in temperature
height	174 mm
width	168.5 mm
depth	181 mm
product weight	4.6 kg

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1028 - Schneider Electric declaration of conformity	Compliant - since 1028 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available