

CR1F150U7

TeSys F magnetic latching contactor - 3P(3 NO) -
150 A - 240 V AC coil



Main

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	250 A (<= 40 °C) at <= 440 V AC AC-1 150 A (<= 40 °C) at <= 440 V AC AC-3 138 A (<= 40 °C) at <= 440 V AC AC-4
Motor power kW	75 kW 400 V AC 50/60 Hz AC-4
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	240 V AC 50/60 Hz
Irms rated making capacity	1700 A
Rated breaking capacity	1500 A at 220...440 V 1200 A at 500 V 450 A at 1000 V 1100 A at 660/690 V
[Icw] rated short-time withstand current	1200 A <= 40 °C 10 s 700 A <= 40 °C 30 s 600 A <= 40 °C 1 min 450 A <= 40 °C 3 min 350 A <= 40 °C 10 min 1200 A <= 40 °C 1 s 1200 A <= 40 °C 5 s
Associated fuse rating	160 A aM at <= 440 V 250 A gG at <= 440 V 250 A BS88 at <= 440 V
Average impedance	0.45 mOhm at 50 Hz - Ith 250 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	18 W AC-1 6 W AC-3
Connections - terminals	Lugs-ring terminals 1 cable(s) 120 mm ² Connector 1 cable(s) 120 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

Complementary

Control circuit voltage limits	0.85...1.1 Uc latching
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0.85...1.1 Uc unlatching

Average coil consumption	1100 VA AC 50/60 Hz latching 7.3 VA AC 50/60 Hz unlatching
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Environment

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	170 mm
width	163.5 mm
depth	171 mm
product weight	3.5 kg

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1028 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available