



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	700 A (<= 40 °C) at <= 440 V AC AC-1 500 A (<= 40 °C) at <= 440 V AC AC-3 460 A (<= 40 °C) at <= 440 V AC AC-4
Motor power kW	250 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	5000 A
Rated breaking capacity	5000 A at 220...440 V 4500 A at 500 V 2500 A at 1000 V 3560 A at 660/690 V
[Icw] rated short-time withstand current	4200 A <= 40 °C 10 s 3200 A <= 40 °C 30 s 2400 A <= 40 °C 1 min 1500 A <= 40 °C 3 min 1200 A <= 40 °C 10 min 4200 A <= 40 °C 1 s 4200 A <= 40 °C 5 s
Associated fuse rating	500 A aM at <= 440 V 800 A gG at <= 440 V 800 A BS88 at <= 440 V
Average impedance	0.18 mOhm at 50 Hz - Ith 700 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	45 W AC-3 88 W AC-1
Connections - terminals	Lugs-ring terminals 2 cable(s) 240 mm ² Bars 2 x (40 x 5 mm) Power circuit: bolted connection
Tightening torque	35 N.m
Operating time	50...100 ms unlatching 40...80 ms latching
Mechanical durability	1 Mcycles
Operating rate	120 cyc/h at <= 40 °C

Komplementarno

Informacije dane u ovoj dokumentaciji sadrže opće opise i/ili tehničke karakteristike o performansama ovdje sadržanih proizvoda. Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene. Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i poplunu analizu rizika, procjenu i ispitivanje proizvoda u odnosu na odgovarajuću specifičnu primjenu ili uporabu istog. Niti društvo Schneider Electric Industries SAS niti bilo koje od njegovih povezanih poduzeća ili podružnica neće preuzeti obvezu ili snositi odgovornost za pogrešnu upotrebu ovdje sadržanih informacija.

Control circuit voltage limits	0.85...1.1 Uc latching 0.85...1.1 Uc unlatching
Average coil consumption	1800 VA AC 50...400 Hz latching 1800 VA DC latching 13 VA AC 50...400 Hz unlatching 13 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	238 mm
width	233 mm
depth	232 mm
product weight	11.3 kg

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0915 - Schneider Electric declaration of conformity	Compliant - since 0915 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available