

## LC1F6304P7

sklopnik TeSys F – 4P (4 NO) – AC-1 –  $\leq 440$  V  
1000 A – zavojnica 230 V AC



### Glavno

Range	TeSys
Product name	TeSys F
Product or component type	Contactora
Device short name	LC1F
Contactora application	Resistive load
Utilisation category	AC-1
Poles description	4P
Pole contact composition	4 NO
[Ue] rated operational voltage	$\leq 1000$ V AC 50/60 Hz $\leq 460$ V DC
[Ie] rated operational current	1000 A ( $\leq 40$ °C) at $\leq 440$ V AC AC-1
[Uc] control circuit voltage	230 V AC 40...400 Hz

### Komplementarno

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	1000 A at $\leq 40$ °C 1250 A
Rated breaking capacity	5040 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	5050 A $\leq 40$ °C 10 s 4400 A $\leq 40$ °C 30 s 3400 A $\leq 40$ °C 1 min 2200 A $\leq 40$ °C 3 min 1600 A $\leq 40$ °C 10 min
Associated fuse rating	630 A aM at $\leq 440$ V 1000 A gG at $\leq 440$ V
Average impedance	0.12 mOhm at 50 Hz - Ith 1000 A
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1 1500 V conforming to VDE 0110 group C
Power dissipation per pole	120 W AC-1
Mounting support	Plate
Standards	EN 60947-1 EN 60947-4-1 IEC 60947-1 IEC 60947-4-1 JIS C8201-4-1
Product certifications	ABS BV CCC DNV LROS (Lloyds register of shipping) RINA RMRoS UL CB
Connections - terminals	Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> - cable stiffness: flexible - with cable end

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: screw clamp terminals 1 cable(s) 1...4 mm<sup>2</sup> - cable stiffness: solid - without cable end  
 Control circuit: screw clamp terminals 2 cable(s) 1...4 mm<sup>2</sup> - cable stiffness: solid - without cable end  
 Power circuit: bolted connection  
 Power circuit : bar 2 x (60 x 5 mm)

Tightening torque	Control circuit: 1.2 N.m Power circuit: 58 N.m
Control circuit voltage limits	0.85...1.1 U <sub>c</sub> at 55 °C operational 40...400 Hz 0.25...0.5 U <sub>c</sub> at 55 °C drop-out 40...400 Hz
Inrush power in VA	1650 VA at 20 °C (cos φ 0.9) 40...400 Hz
Hold-in power consumption in VA	22 VA at 20 °C (cos φ 0.9) 40...400 Hz
Heat dissipation	20 W
Operating time	100...200 ms opening 40...80 ms closing
Mechanical durability	5 Mcycles
Operating rate	1200 cyc/h at ≤ 55 °C

## Okolina

IP degree of protection	IP20 front face with shrouds (ordered separately) conforming to IEC 60529 IP20 front face with shrouds (ordered separately) conforming to VDE 0106
protective treatment	TH
ambient air temperature for operation	-5...55 °C
ambient air temperature for storage	-60...80 °C
permissible ambient air temperature around the device	-40...70 °C
operating altitude	3000 m without derating
mechanical robustness	Vibrations resistance contactor open 2 Gn, 5...300 Hz Shocks resistance contactor open 9 Gn for 11 ms Shocks resistance contactor closed 15 Gn for 11 ms Vibrations resistance contactor closed 4 Gn, 5...300 Hz
height	255 mm
width	389 mm
depth	304 mm
product weight	21.5 kg

## Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0852 - Schneider Electric declaration of conformity	Compliant - since 0852 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available

## Contractual warranty

Warranty period	18 months
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