

LC1F4004GD

sklopnik TeSys F – 4P (4 NO) – AC-1 – ≤ 440 V
500 A – zavojnica 125 V DC



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	≤ 1000 V AC 50/60 Hz ≤ 460 V DC
[Ie] rated operational current	500 A (≤ 40 °C) at ≤ 440 V AC AC-1
[Uc] control circuit voltage	125 V DC
Coil type	Standard

Komplementarno

[Uimp] rated impulse withstand voltage	8 kV
Overtoltage category	III
[Ith] conventional free air thermal current	500 A at ≤ 40 °C
Rated breaking capacity	3200 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	3600 A ≤ 40 °C 10 s 2400 A ≤ 40 °C 30 s 1700 A ≤ 40 °C 1 min 1200 A ≤ 40 °C 3 min 1000 A ≤ 40 °C 10 min
Associated fuse rating	400 A aM at ≤ 440 V 500 A gG at ≤ 440 V
Average impedance	0.26 mOhm at 50 Hz - Ith 500 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	65 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 ² - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² - cable stiffness: flexible -

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with cable end
 Control circuit: screw clamp terminals 1 cable(s) 1...4 mm² - cable stiffness: solid - without cable end
 Control circuit: screw clamp terminals 2 cable(s) 1...4 mm² - cable stiffness: solid - without cable end
 Power circuit: lugs-ring terminals 2 cable(s) 150 mm²
 Power circuit: bolted connection
 Power circuit: bar 2 x (30 x 5 mm)

Tightening torque	Power circuit: 35 N.m Control circuit: 1.2 N.m
Control circuit voltage limits	0.85...1.1 U _c at 55 °C operational 0.2...0.35 U _c at 55 °C drop-out
Inrush power in W	1000 W at 20 °C
Hold-in power consumption in W	6 W at 20 °C
Heat dissipation	6 W
Operating time	45...60 ms opening 50...60 ms closing
Mechanical durability	10 Mcycles
Operating rate	2400 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	Shocks resistance contactor closed 15 Gn for 11 ms Shocks resistance contactor open 6 Gn for 11 ms Vibrations resistance contactor closed 5 Gn, 5...300 Hz Vibrations resistance contactor open 1.5 Gn, 5...300 Hz
height	206 mm
width	261 mm
depth	219 mm
product weight	10.2 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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