

LC1D80004P7

sklopnik TeSys D-4P(4 NO)-AC-1- \leq 440 V 125 A-
zavojnica 230 V AC 50/60 Hz



Glavno

Range	TeSys
Product name	TeSys D
Product or component type	Contactora
Device short name	LC1D
Contactora application	Resistive load
Utilisation category	AC-1
Poles description	4P
Pole contact composition	4 NO
[Ue] rated operational voltage	\leq 690 V AC for power circuit \leq 300 V DC 25...400 Hz for power circuit
[Ie] rated operational current	125 A (\leq 60 °C) at \leq 440 V AC AC-1 for power circuit
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	230 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	Conforming to IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	125 A at \leq 60 °C for power circuit
Irms rated making capacity	1100 A at 440 V for power circuit conforming to IEC 60947
Rated breaking capacity	1100 A at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	135 A \leq 40 °C 10 min power circuit 640 A \leq 40 °C 10 s power circuit 990 A \leq 40 °C 1 s power circuit 320 A \leq 40 °C 1 min power circuit
Associated fuse rating	160 A gG at \leq 690 V coordination type 2 for power circuit 200 A gG at \leq 690 V coordination type 1 for power circuit
Average impedance	0.8 mOhm at 50 Hz - Ith 125 A for power circuit
[Ui] rated insulation voltage	1000 V for power circuit conforming to IEC 60947-4-1 600 V for power circuit certifications CSA 600 V for power circuit certifications UL
Electrical durability	0.8 Mcycles 125 A AC-1 at Ue \leq 440 V
Power dissipation per pole	12.5 W AC-1
Protective cover	Without
Mounting support	Plate Rail
Standards	UL 508 CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1
Product certifications	BV CCC CSA DNV GL GOST

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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: solid - without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² - cable stiffness: solid - without cable end Control circuit: screw clamp terminals 1 cable(s) 1...2.5 mm ² - cable stiffness: flexible - with cable end Power circuit: connector 1 cable(s) 4...50 mm ² - cable stiffness: flexible - without cable end Power circuit: connector 2 cable(s) 4...25 mm ² - cable stiffness: flexible - without cable end Power circuit: connector 1 cable(s) 4...50 mm ² - cable stiffness: flexible - with cable end Power circuit: connector 2 cable(s) 4...16 mm ² - cable stiffness: flexible - with cable end Power circuit: connector 1 cable(s) 4...50 mm ² - cable stiffness: solid - without cable end Power circuit: connector 2 cable(s) 4...25 mm ² - cable stiffness: solid - without cable end
Tightening torque	Power circuit: 9 N.m - on connector - with screwdriver flat Ø 6 to Ø 8 mm Power circuit: 9 N.m - on connector hexagonal 4 mm Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2
Operating time	20...35 ms closing 6...20 ms opening
Safety reliability level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 2000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Mechanical durability	4 Mcycles
Operating rate	3600 cyc/h at ≤ 60 °C

Komplementarno

Coil technology	Without built-in suppressor module
Control circuit voltage limits	0.85...1.1 Uc operational at 55 °C, AC 60 Hz 0.3...0.6 Uc drop-out at 55 °C, AC 50/60 Hz 0.8...1.1 Uc operational at 55 °C, AC 50 Hz
Inrush power in VA	245 VA at 20 °C (cos φ 0.75) 60 Hz 245 VA at 20 °C (cos φ 0.75) 50 Hz
Hold-in power consumption in VA	26 VA at 20 °C (cos φ 0.3) 60 Hz 26 VA at 20 °C (cos φ 0.3) 50 Hz
Heat dissipation	6...10 W at 50/60 Hz

Okolina

IP degree of protection	IP20 front face conforming to IEC 60529
protective treatment	TH conforming to IEC 60068-2-30
pollution degree	3
ambient air temperature for operation	-5...60 °C
ambient air temperature for storage	-60...80 °C
permissible ambient air temperature around the device	-40...70 °C at Uc
operating altitude	3000 m without derating in temperature

fire resistance	850 °C conforming to IEC 60695-2-1
flame retardance	V1 conforming to UL 94
mechanical robustness	Vibrations contactor open 2 Gn, 5...300 Hz Shocks contactor open 8 Gn for 11 ms Vibrations contactor closed 3 Gn, 5...300 Hz Shocks contactor closed 10 Gn for 11 ms
height	127 mm
width	96 mm
depth	125 mm
product weight	1.76 kg

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0701 - Schneider Electric declaration of conformity	Compliant - since 0701 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Need no specific recycling operations	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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