

LC1D80004T6

TeSys D contactor - 4P(4 NO) - AC-1 - <= 440 V
125 A - 480 V AC 60 Hz coil

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 489.00 USD



Main

Commercial Status	Commercialised
Range	TeSys
Product name	TeSys D
Product or component type	Contactor
Device short name	LC1D
Contactor application	Resistive load
Utilisation category	AC-1
Poles description	4P
Pole contact composition	4 NO
System Voltage	<= 690 V AC power circuit <= 300 V DC 25...400 Hz power circuit
[Ie] rated operational current	125 A (<= 140 °F (60 °C)) at <= 440 V AC AC-1 power circuit
Control circuit type	AC 60 Hz
Control circuit voltage	480 V AC 60 Hz
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	125 A at <= 140 °F (60 °C) power circuit
Irms rated making capacity	1100 A at 440 V power circuit conforming to IEC 60947
Rated breaking capacity	1100 A at 440 V power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	320 A <= 104 °F (40 °C) 1 min power circuit 135 A <= 104 °F (40 °C) 10 min power circuit 990 A <= 104 °F (40 °C) 1 s power circuit 640 A <= 104 °F (40 °C) 10 s power circuit
Associated fuse rating	160 A gG at <= 690 V coordination type 2 power circuit 200 A gG at <= 690 V coordination type 1 power circuit
Average impedance	0.8 mOhm at 50 Hz - Ith 125 A power circuit
[Ui] rated insulation voltage	1000 V power circuit conforming to IEC 60947-4-1 600 V power circuit certifications UL 600 V power circuit certifications CSA
Electrical durability	0.8 Mcycles 125 A AC-1 at Ue <= 440 V
Power dissipation per pole	12.5 W AC-1
Protective cover	Without
Mounting support	Plate Rail
Standards	EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508 CSA C22.2 No 14

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Product certifications	BV CCC CSA DNV GL GOST RINA UL LROS
Connections - terminals	Power circuit: connector 2 cable(s) 0.01...0.04 in ² (4...25 mm ²) - cable stiffness: solid - without cable end Power circuit: connector 1 cable(s) 0.01...0.08 in ² (4...50 mm ²) - cable stiffness: solid - without cable end Power circuit: connector 2 cable(s) 0.01...0.02 in ² (4...16 mm ²) - cable stiffness: flexible - with cable end Power circuit: connector 1 cable(s) 0.01...0.08 in ² (4...50 mm ²) - cable stiffness: flexible - with cable end Power circuit: connector 2 cable(s) 0.01...0.04 in ² (4...25 mm ²) - cable stiffness: flexible - without cable end Power circuit: connector 1 cable(s) 0.01...0.08 in ² (4...50 mm ²) - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 2 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness: solid - without cable end Control circuit: screw clamp terminals 1 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness: solid - without cable end Control circuit: screw clamp terminals 2 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable(s) 0...0.01 in ² (1...4 mm ²) - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable(s) 0...0 in ² (1...2.5 mm ²) - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 2 cable(s) 0...0 in ² (1...2.5 mm ²) - cable stiffness: flexible - with cable end
Tightening torque	Power circuit: 79.65 lbf.in (9 N.m) - on connector hexagonal 0.16 in (4 mm) Power circuit: 79.65 lbf.in (9 N.m) - on connector - with screwdriver flat Ø 6 to Ø 8 mm Control circuit: 10.62 lbf.in (1.2 N.m) - on screw clamp terminals - with screwdriver Philips No 2 Control circuit: 10.62 lbf.in (1.2 N.m) - on screw clamp terminals - with screwdriver flat Ø 6 mm
Operating time	6...20 ms opening 20...35 ms closing
Safety reliability level	B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1 B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1
Mechanical durability	10 Mcycles
Operating rate	3600 cyc/h at ≤ 140 °F (60 °C)

Complementary

Coil technology	Without built-in suppressor module
Control circuit voltage limits	0.3...0.6 Uc at 131 °F (55 °C) drop-out 60 Hz 0.85...1.1 Uc at 131 °F (55 °C) operational 60 Hz
Inrush power in VA	220 VA at 68 °F (20 °C) (cos φ 0.75) 60 Hz
Hold-in power consumption in VA	22 VA at 68 °F (20 °C) (cos φ 0.3) 60 Hz
Heat dissipation	6...10 W at 60 Hz

Environment

IP degree of protection	IP2x front face conforming to IEC 60529
Protective treatment	TH conforming to IEC 60068-2-30
Pollution degree	3
Ambient air temperature for operation	23...140 °F (-5...60 °C)
Ambient air temperature for storage	-76...176 °F (-60...80 °C)
Permissible ambient air temperature around the device	-40...158 °F (-40...70 °C) at Uc
Operating altitude	9842.52 ft (3000 m) without derating in temperature
Fire resistance	1562 °F (850 °C) conforming to IEC 60695-2-1
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Shocks contactor closed 10 Gn for 11 ms Vibrations contactor closed 3 Gn, 5...300 Hz Shocks contactor open 8 Gn for 11 ms Vibrations contactor open 2 Gn, 5...300 Hz
Height	5 in (127 mm)
Width	3.78 in (96 mm)
Depth	4.92 in (125 mm)
Product weight	3.88 lb(US) (1.76 kg)

Ordering and shipping details

Category	22345 - CTR,D-LINE,OPEN,NONREV-NEW
Discount Schedule	I12
GTIN	00785901756514
Nbr. of units in pkg.	1
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	CZ

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0701 - Schneider Electric declaration of conformity
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Contractual warranty

Warranty period	18 months
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