

Price\* : 630.00 USD



⚠ Discontinued

LC1D115004T7 has not been replaced. Please contact your customer care center for more information.

## Main

Range	TeSys
Product name	TeSys D
Product or component type	Contacteur
Device short name	LC1D
Contacteur application	Resistive load
Utilisation category	AC-1
Poles description	4P
Power pole contact composition	4 NO
System Voltage	<= 460 V DC power circuit <= 1000 V AC 25...400 Hz power circuit
[Ie] rated operational current	200 A (<= 140 °F (60 °C)) at <= 440 V AC AC-1 power circuit
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	480 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	Conforming to IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	200 A at <= 140 °F (60 °C) power circuit
Irms rated making capacity	1260 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	1100 A <= 104 °F (40 °C) 1 s power circuit 250 A <= 104 °F (40 °C) 10 min power circuit 550 A <= 104 °F (40 °C) 1 min power circuit 950 A <= 104 °F (40 °C) 10 s power circuit
Associated fuse rating	200 A gG at <= 690 V coordination type 2 power circuit 250 A gG at <= 690 V coordination type 1 power circuit
Average impedance	0.6 mOhm at 50 Hz - Ith 200 A power circuit
[Ui] rated insulation voltage	1000 V power circuit conforming to IEC 60947-4-1 600 V power circuit certifications CSA 600 V power circuit certifications UL
Electrical durability	0.8 Mcycles 200 A AC-1 at Ue <= 440 V
Power dissipation per pole	24 W AC-1
Safety cover	With
Mounting support	Rail Plate

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Standards	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
Product certifications	GL DNV RINA CCC CSA BV GOST UL LROS (Lloyds register of shipping)
Connections - terminals	Control circuit: screw clamp terminals 2 cable(s) 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 2 cable(s) 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 2 cable(s) 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: solid - without cable end Control circuit: screw clamp terminals 1 cable(s) 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Control circuit: screw clamp terminals 1 cable(s) 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end Control circuit: screw clamp terminals 1 cable(s) 0...0 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: solid - without cable end Power circuit: connector 1 cable(s) 0.02...0.19 in <sup>2</sup> (10...120 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end Power circuit: connector 2 cable(s) 0.02...0.08 in <sup>2</sup> (10...50 mm <sup>2</sup> ) - cable stiffness: flexible - without cable end Power circuit: connector 1 cable(s) 0.02...0.19 in <sup>2</sup> (10...120 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Power circuit: connector 2 cable(s) 0.02...0.08 in <sup>2</sup> (10...50 mm <sup>2</sup> ) - cable stiffness: flexible - with cable end Power circuit: connector 1 cable(s) 0.02...0.19 in <sup>2</sup> (10...120 mm <sup>2</sup> ) - cable stiffness: solid - without cable end Power circuit: connector 2 cable(s) 0.02...0.08 in <sup>2</sup> (10...50 mm <sup>2</sup> ) - cable stiffness: solid - without cable end
Tightening torque	Control circuit: 10.62 lbf.in (1.2 N.m) - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 10.62 lbf.in (1.2 N.m) - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 106.19 lbf.in (12 N.m) - on connector hexagonal 0.16 in (4 mm)
Operating time	6...20 ms opening 20...50 ms closing
Safety reliability level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Mechanical durability	8 Mcycles
Operating rate	2400 cyc/h at ≤ 140 °F (60 °C)

## Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.3...0.5 U <sub>c</sub> drop-out at 131 °F (55 °C), AC 50/60 Hz 0.8...1.15 U <sub>c</sub> operational at 131 °F (55 °C), AC 50/60 Hz
Inrush power in VA	280...350 VA at 68 °F (20 °C) (cos φ 0.8) 60 Hz 280...350 VA at 68 °F (20 °C) (cos φ 0.8) 50 Hz
Hold-in power consumption in VA	2...18 VA at 68 °F (20 °C) (cos φ 0.3) 60 Hz 2...18 VA at 68 °F (20 °C) (cos φ 0.3) 50 Hz
Heat dissipation	3...8 W at 50/60 Hz

## Environment

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	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
Fire resistance	1562 °F (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 Vibrations contactor closed 4 Gn, 5...300 Hz Shocks contactor closed 15 Gn for 11 ms Shocks contactor open 6 Gn for 11 ms
Height	6.22 in (158 mm)
Width	5.91 in (150 mm)
Depth	5.2 in (132 mm)
Product weight	6.31 lb(US) (2.86 kg)

### Ordering and shipping details

Category	22359 - CTR, TESYS D, OPEN, 80-150A AC&DC
Discount Schedule	I12
Nbr. of units in pkg.	1
Package weight(Lbs)	6.1000000000000005
Returnability	N
Country of origin	CZ

### Offer Sustainability

RoHS (date code: YYWW)	Compliant <a href="#">Schneider Electric declaration of conformity</a>
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### Contractual warranty

Warranty period	18 months
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