



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

Price*: 194.00 USD



Main

Range of product	TeSys D
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	<= 300 V DC power circuit <= 690 V AC 25...400 Hz power circuit
[Ie] rated operational current	32 A (<= 140 °F (60 °C)) at <= 440 V AC AC-1 power circuit
Control circuit type	DC standard
[Uc] control circuit voltage	125 V DC
Auxiliary contact composition	1 NO + 1 NC
[Uimp] rated impulse withstand voltage	Conforming to IEC 60947
Oversoltage category	III
[Ith] conventional free air thermal current	32 A at <= 140 °F (60 °C) power circuit 10 A at <= 140 °F (60 °C) signalling circuit
Irms rated making capacity	300 A at 440 V power circuit conforming to IEC 60947 140 A AC signalling circuit conforming to IEC 60947-5-1 250 A DC signalling circuit conforming to IEC 60947-5-1
Rated breaking capacity	300 A at 440 V power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	145 A <= 104 °F (40 °C) 10 s power circuit 240 A <= 104 °F (40 °C) 1 s power circuit 40 A <= 104 °F (40 °C) 10 min power circuit 84 A <= 104 °F (40 °C) 1 min power circuit 100 A 1 s signalling circuit 120 A 500 ms signalling circuit 140 A 100 ms signalling circuit
Associated fuse rating	35 A gG at <= 690 V coordination type 2 power circuit 50 A gG at <= 690 V coordination type 1 power circuit 10 A gG signalling circuit conforming to IEC 60947-5-1

Average impedance	2.5 mOhm at 50 Hz - lth 32 A power circuit
[Ui] rated insulation voltage	600 V power circuit certifications CSA 600 V power circuit certifications UL 690 V power circuit conforming to IEC 60947-4-1 690 V signalling circuit conforming to IEC 60947-1 600 V signalling circuit certifications CSA 600 V signalling circuit certifications UL
Electrical durability	1 Mcycles 32 A AC-1 at $U_e \leq 440$ V
Power dissipation per pole	2.5 W AC-1
Protective cover	With
Mounting support	Rail Plate
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	CCC BV CSA UL GOST GL LROS (Lloyds register of shipping) DNV RINA
Connections - terminals	Control circuit: screw clamp terminals 2 cable(s) 0...0 in ² (1...2.5 mm ²) - cable stiffness: flexible - with 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 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 - with 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: solid - without cable end Power circuit: connector 1 cable(s) 0...0.02 in ² (2.5...10 mm ²) - cable stiffness: flexible - without cable end Power circuit: connector 2 cable(s) 0...0.02 in ² (2.5...10 mm ²) - cable stiffness: flexible - without cable end Power circuit: connector 1 cable(s) 0...0.02 in ² (2.5...10 mm ²) - cable stiffness: flexible - with cable end Power circuit: connector 2 cable(s) 0...0.02 in ² (2.5...10 mm ²) - cable stiffness: flexible - with cable end Power circuit: connector 1 cable(s) 0...0.02 in ² (2.5...16 mm ²) - cable stiffness: solid - without cable end Power circuit: connector 2 cable(s) 0...0.02 in ² (2.5...16 mm ²) - cable stiffness: solid - without cable end
Tightening torque	Control circuit: 15.04 lbf.in (1.7 N.m) - on screw clamp terminals - with screwdriver-flat Ø 6 mm Control circuit: 15.04 lbf.in (1.7 N.m) - on screw clamp terminals - with screwdriver-Philips No 2 Power circuit: 15.04 lbf.in (1.7 N.m) - on connector - with screwdriver flat Ø 6 mm Power circuit: 15.04 lbf.in (1.7 N.m) - on connector - with screwdriver Philips No 2
Operating time	53.55...72.45 ms closing 16...24 ms opening
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	30 Mcycles
Operating rate	3600 cyc/h at ≤ 140 °F (60 °C)

Complementary

Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.1...0.25 U _c drop-out at 140 °F (60 °C), DC 0.7...1.25 U _c operational at 140 °F (60 °C), DC
Time constant	28 ms
Inrush power in W	5.4 W at 68 °F (20 °C)
Hold-in power consumption in W	5.4 W at 68 °F (20 °C)
Auxiliary contacts type	Type mechanically linked (1 NO + 1 NC) conforming to IEC 60947-5-1 Type mirror contact (1 NC) conforming to IEC 60947-4-1
Signalling circuit frequency	25...400 Hz
Minimum switching current	5 mA signalling circuit
Minimum switching voltage	17 V signalling circuit
Non-overlap time	1.5 ms on de-energisation (between NC and NO contact) 1.5 ms on energisation (between NC and NO contact)
Insulation resistance	> 10 MOhm signalling circuit
Contact compatibility	M7
Compatibility code	LC1D


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 U _c
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 8 Gn for 11 ms
Height	3.58 in (91 mm)
Width	1.77 in (45 mm)
Depth	4.21 in (107 mm)
Product weight	0.94 lb(US) (0.425 kg)

Ordering and shipping details

Category	22355 - CTR, TESYS D, OPEN, 9-38A DC
Discount Schedule	I12
GTIN	00785901520597
Nbr. of units in pkg.	1
Package weight(Lbs)	0.9500000000000007
Returnability	N
Country of origin	FR

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0709 - Schneider Electric declaration of conformity  Schneider-Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Antimony oxide & Antimony trioxide, which is known to the State of California to cause-cancer.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
-----------------	-----------

Product Life Status : **Commercialised**