

LC2D150B7

TeSys D reversing contactor - 3P(3 NO) - AC-3 -
≤ 440 V 150 A - 24 V AC coil

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



Price* : 1,700.00 USD



Main

Range	TeSys
Product name	TeSys D
Product or component type	Reversing contactor
Device short name	LC2D
Contacteur application	Motor control Resistive load
Utilisation category	AC-1 AC-3
Device presentation	Preassembled with reversing power busbar
Poles description	3P
Power pole contact composition	3 NO
System Voltage	≤ 300 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 150 A (≤ 140 °F (60 °C)) at ≤ 440 V AC AC-3 power circuit
Motor power kW	100 kW at 660...690 V AC 50/60 Hz 40 kW at 220...230 V AC 50/60 Hz 75 kW at 1000 V AC 50/60 Hz 75 kW at 380...400 V AC 50/60 Hz 90 kW at 500 V AC 50/60 Hz 80 kW at 415...440 V AC 50/60 Hz
Motor power HP (UL / CSA)	40 hp at 200/208 V AC 50/60 Hz 3 phases motors 50 hp at 230/240 V AC 50/60 Hz 3 phases motors 100 hp at 460/480 V AC 50/60 Hz 3 phases motors 125 hp at 575/600 V AC 50/60 Hz 3 phases motors
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	24 V AC 50/60 Hz
Auxiliary contact composition	1 NO + 1 NC
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947
Overvoltage category	III

[I _{th}] conventional free air thermal current	200 A at ≤ 140 °F (60 °C) power circuit
I _{rms} rated making capacity	1660 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	1400 A at 440 V power circuit conforming to IEC 60947
[I _{cw}] rated short-time withstand current	100 A 1 s signalling circuit 120 A 500 ms signalling circuit 140 A 100 ms signalling circuit 250 A ≤ 104 °F (40 °C) 10 min power circuit 580 A ≤ 104 °F (40 °C) 1 min power circuit 1200 A ≤ 104 °F (40 °C) 10 s power circuit 1400 A ≤ 104 °F (40 °C) 1 s power circuit
Associated fuse rating	250 A gG at ≤ 690 V coordination type 2 power circuit 315 A gG at ≤ 690 V coordination type 1 power circuit 10 A gG signalling circuit conforming to IEC 60947-5-1
Average impedance	0.6 mΩ at 50 Hz - I _{th} 200 A power circuit
[U _i] 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 690 V signalling circuit conforming to IEC 60947-1 600 V signalling circuit certifications CSA 600 V signalling circuit certifications UL
Electrical durability	0.85 Mcycles 150 A AC-3 ≤ 440 V 1 Mcycles 200 A AC-1 ≤ 440 V
Power dissipation per pole	24 W AC-1 13.5 W AC-3
Safety cover	With
Interlocking type	Electrical Mechanical
Mounting support	Plate Rail
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	UL CSA CCC EAC GL BV DNV RINA
Connections - terminals	Control circuit: screw clamp terminals 2 cable(s) 0...0 in ² (1...2.5 mm ²) - cable stiffness: flexible - without 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 Control circuit: screw clamp terminals 2 cable(s) 0...0 in ² (1...2.5 mm ²) - cable stiffness: solid - 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 1 cable(s) 0...0 in ² (1...2.5 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: solid - without cable end Power circuit: connector 1 cable(s) 0.02...0.19 in ² (10...120 mm ²) - cable stiffness: flexible - without cable end Power circuit: connector 2 cable(s) 0.02...0.08 in ² (10...50 mm ²) - cable stiffness: flexible - without cable end Power circuit: connector 1 cable(s) 0.02...0.19 in ² (10...120 mm ²) - cable stiffness: flexible - with cable end Power circuit: connector 2 cable(s) 0.02...0.08 in ² (10...50 mm ²) - cable stiffness: flexible - with cable end Power circuit: connector 1 cable(s) 0.02...0.19 in ² (10...120 mm ²) - cable stiffness: solid - without cable end

	Power circuit: connector 2 cable(s) 0.02...0.08 in ² (10...50 mm ²) - 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	20...35 ms closing 40...75 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	8000000 cycles
Operating rate	1200 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 Uc drop-out at 131 °F (55 °C), AC 50/60 Hz 0.8...1.15 Uc operational at 131 °F (55 °C), AC 50/60 Hz
Inrush power in VA	280...350 VA at 68 °F (20 °C) (cos φ 0.9) 60 Hz 280...350 VA at 68 °F (20 °C) (cos φ 0.9) 50 Hz
Hold-in power consumption in VA	2...18 VA at 68 °F (20 °C) (cos φ 0.9) 60 Hz 2...18 VA at 68 °F (20 °C) (cos φ 0.9) 50 Hz
Heat dissipation	3...4.5 W at 50/60 Hz
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

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 in temperature
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	10.47 in (266 mm)
Depth	5.83 in (148 mm)
Product weight	14.11 lb(US) (6.4 kg)

Ordering and shipping details

Category	22346 - CTR,D-LINE,OPEN,REVERSING-NEW
Discount Schedule	I12
GTIN	00785901508342
Nbr. of units in pkg.	1
Package weight(Lbs)	14.5

Returnability	N
Country of origin	CZ

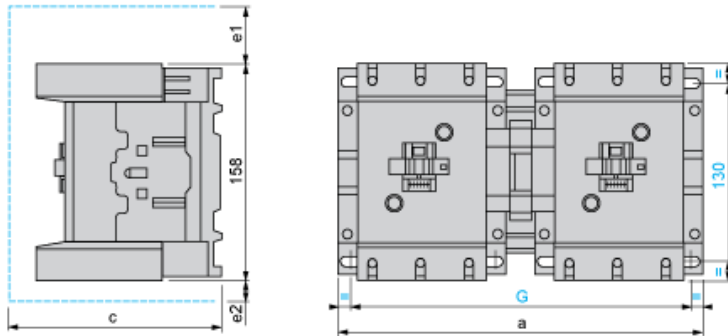
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0927 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
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
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Dimensions



LC2 or 2 x LC1	a	c	e1	e2	G
D115 and D150	266	148	56	18	242/256
c, e1 and e2: including cabling.					

Wiring

