Product data sheet

Specifications





IEC contactor, TeSys Deca, nonreversing, 95A, 60HP at 480VAC, 3 phase, 3 pole, 3 NO, 24VAC 50/60Hz coil, open style

LC1D95B7

Product availability: Stock - Normally stocked in distribution facility

Price*: 437.00 USD

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Range	TeSys
Range Of Product	TeSys Deca
Product Or Component Type	Contactor
Device Short Name	LC1D
Contactor Application	Motor control Resistive load
Utilisation Category	AC-3 AC-3e AC-4 AC-1
Poles Description	3P
[Ue] Rated Operational Voltage	Power circuit <= 690 V AC 25400 Hz
[le] Rated Operational Current	95 A (at <140 °F (60 °C)) at <= 440 V AC-3 for power circuit 125 A (at <140 °F (60 °C)) at <= 690 V AC-1 for power circuit 95 A (at <140 °F (60 °C)) at <= 440 V AC-3e for power circuit
[Uc] Control Circuit Voltage	24 V AC 50/60 Hz

Complementary

Motor Power Kw	25 kW at 220230 V AC 50 Hz (AC-3)
	45 kW at 380400 V AC 50 Hz (AC-3)
	45 kW at 415440 V AC 50 Hz (AC-3)
	55 kW at 500 V AC 50 Hz (AC-3)
	45 kW at 660690 V AC 50 Hz (AC-3)
	15 kW at 400 V AC 50 Hz (AC-4)
	25 kW at 220230 V AC 50 Hz (AC-3e)
	45 kW at 380400 V AC 50 Hz (AC-3e)
	45 kW at 415440 V AC 50 Hz (AC-3e)
	55 kW at 500 V AC 50 Hz (AC-3e)
	45 kW at 660690 V AC 50 Hz (AC-3e)
Maximum Horse Power Rating	7.5 hp at 120 V AC 60 Hz for 1 phase motors
	15 hp at 230/240 V AC 60 Hz for 1 phase motors
	30 hp at 200/208 V AC 60 Hz for 3 phase motors
	30 hp at 230/240 V AC 60 Hz for 3 phase motors
	60 hp at 460/480 V AC 60 Hz for 3 phase motors
	60 hp at 575/600 V AC 60 Hz for 3 phase motors
Compatibility Code	LC1D
Pole Contact Composition	3 NO
Protective Cover	With
[Ith] Conventional Free Air	10 A (at 140 °F (60 °C)) for signalling circuit
Thermal Current	125 A (at 140 °F (60 °C)) for power circuit

125 A (at 140 °F (60 °C)) for power circuit

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

Irms Rated Making Capacity	1100 A at 440 V AC for power circuit conforming to IEC 60947
	140 A AC for signalling circuit conforming to IEC 60947-5-1
	250 A DC for signalling circuit conforming to IEC 60947-5-1
Rated Breaking Capacity	1100 A at 440 V for power circuit conforming to IEC 60947
[Icw] Rated Short-Time Withstand	1100 A 104 °F (40 °C) - 1 s for power circuit
Current	800 A 104 °F (40 °C) - 10 s for power circuit
	400 A 104 °F (40 °C) - 1 min for power circuit
	135 A 104 °F (40 °C) - 10 min for power circuit
	140 A - 100 ms for signalling circuit
	120 A - 500 ms for signalling circuit
	100 A - 1 s for signalling circuit
Associated Fuse Rating	10 A gG for signalling circuit conforming to IEC 60947-5-1
	200 A gG at <= 690 V coordination type 1 for power circuit
	160 A gG at <= 690 V coordination type 2 for power circuit
Average Impedance	0.8 mOhm - Ith 125 A 50 Hz for power circuit
Power Dissipation Per Pole	12.5 W AC-1
•	7.2 W AC-3
	7.2 W AC-3e
[Ui] Rated Insulation Voltage	Power circuit 1000 V IEC 60947-4-1
[of] hated modulation voltage	Power circuit 600 V CSA
	Power circuit 600 V UL
	Signalling circuit 690 V IEC 60947-1
	Signalling circuit 600 V CSA
	Signalling circuit 600 V UL
Overvoltage Category	111
Pollution Degree	3
[Uimp] Rated Impulse Withstand Voltage	8 kV IEC 60947
Safety Reliability Level	B10d = 1.3 Mcycles contactor with nominal load EN/ISO 13849-1
	B10d = 20 Mcycles contactor with mechanical load EN/ISO 13849-1
Mechanical Durability	4 Mcycles
Electrical Durability	1.2 Mcycles 95 A AC-3
	1.3 Mcycles 125 A AC-1
	1.2 Mcycles 95 A AC-3e
Control Circuit Type	AC 50/60 Hz standard
Coil Technology	Without built-in suppressor module
Control Circuit Voltage Limits	0.81.1 Uc -40131 °F (-4055 °C) operational AC 50 Hz
	0.851.1 Uc -40131 °F (-4055 °C) operational AC 60 Hz
	0.30.6 Uc -40158 °F (-4070 °C) drop-out AC 50/60 Hz
	11.1 Uc 131158 °F (5570 °C) operational AC 50/60 Hz
Inrush Power In Va	245 VA 60 Hz cos phi 0.75 (at 68 °F (20 °C))
	245 VA 50 Hz cos phi 0.75 (at 68 °F (20 °C))
Hold-In Power Consumption In Va	26 \/A 60 Hz cos phi 0.3 (at 68 °E (20 °C))
Hold-III Power Consumption III va	26 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C)) 26 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C))
Heat Dissipation	610 W at 50/60 Hz
Operating Time	2035 ms closing
	620 ms opening
Maximum Operating Rate	3600 cyc/b 140 °E (60 °C)
maximum operating Nate	3600 cyc/h 140 °F (60 °C)

Connections - Terminals	Control circuit: screw clamp terminals 2 0.000.00 in ² (12.5 mm ²) - cable stiffness:
	flexible with cable end
	Control circuit: screw clamp terminals 1 0.000.00 in ² (12.5 mm ²) - cable stiffness:
	flexible with cable end
	Control circuit: screw clamp terminals 1 0.000.01 in ² (14 mm ²) - cable stiffness:
	flexible without cable end
	Control circuit: screw clamp terminals 2 0.000.01 in ² (14 mm ²) - cable stiffness:
	flexible without cable end
	Control circuit: screw clamp terminals 1 0.000.01 in ² (14 mm ²) - cable stiffness:
	solid without cable end
	Control circuit: screw clamp terminals 2 0.000.01 in ² (14 mm ²) - cable stiffness: solid without cable end
	Power circuit: connector 1 0.010.08 in ² (450 mm ²) - cable stiffness: flexible
	without cable end
	Power circuit: connector 2 0.010.04 in ² (425 mm ²) - cable stiffness: flexible
	without cable end
	Power circuit: connector 1 0.010.08 in ² (450 mm ²) - cable stiffness: flexible with
	cable end
	Power circuit: connector 2 0.010.02 in ² (416 mm ²) - cable stiffness: flexible with
	cable end
	Power circuit: connector 1 0.010.08 in ² (450 mm ²) - cable stiffness: solid without
	cable end
	Power circuit: connector 2 0.010.04 in ² (425 mm ²) - cable stiffness: solid without
	cable end
Fightening Torque	Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals flat Ø 6 mm
	Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals Philips No 2
	Power circuit 106.21 lbf.in (12 N.m) connector flat Ø 6 to Ø 8 mm
	Power circuit 106.21 lbf.in (12 N.m) connector hexagonal 0.16 in (4 mm)
	Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals pozidriv No 2
Auxiliary Contact Composition	1 NO + 1 NC
Auxiliary Contacts Type	Mechanically linked 1 NO + 1 NC IEC 60947-5-1
5 51	Mirror contact 1 NC IEC 60947-4-1
Signalling Circuit Frequency	25400 Hz
Minimum Switching Voltage	17 V for signalling circuit
Minimum Switching Current	5 mA for signalling circuit
Insulation Resistance	> 10 MOhm for 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
Mounting Support	Plate Rail

Environment

Standards	EN/IEC 60947-1 EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-5-1 UL 60947-5-1 CSA C22.2 No 60947-4-1 CSA C22.2 No 60947-5-1 GB/T 14048.4
Product Certifications	IECEE CB Scheme UL CSA CCC EAC LROS (Lloyds register of shipping) RINA BV DNV-GL
Ip Degree Of Protection	IP20 front face IEC 60529
Protective Treatment	THIEC 60068-2-30
Climatic Withstand	IACS E10 exposure to damp heat

Permissible Ambient Air Temperature Around The Device	-40…140 °F (-40…60 °C) 140…158 °F (60…70 °C) with derating
Operating Altitude	09842.52 ft (03000 m)
Fire Resistance	1562 °F (850 °C) IEC 60695-2-1
Flame Retardance	V1 conforming to UL 94
Mechanical Robustness	Vibrations contactor open 2 Gn, 5300 Hz) Shocks contactor open 8 Gn for 11 ms) Vibrations contactor closed 3 Gn, 5300 Hz) Shocks contactor closed 10 Gn for 11 ms)
Height	5.00 in (127 mm)
Width	3.35 in (85 mm)
Depth	5.12 in (130 mm)
Net Weight	3.55 lb(US) (1.61 kg)

Ordering and shipping details

Category	US10I1222359
Discount Schedule	0 12
Gtin	3389110450651
Returnability	Yes
Country Of Origin	CZ

Packing Units

PCE .74 in (9.5 cm) .31 in (13.5 cm)
3.74 in (9.5 cm)
i.31 in (13.5 cm)
5.51 in (14 cm)
.45 lb(US) (1.564 kg)
502
i
.91 in (15 cm)
1.81 in (30 cm)
5.75 in (40 cm)
8.24 lb(US) (8.275 kg)
206
0
11.50 in (80 cm)
11.50 in (80 cm)
3.62 in (60 cm)
10.63 lb(US) (140.9 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes
Pvc Free

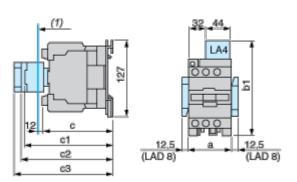
Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	No need of specific recycling operations
California Proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

Product data sheet

Dimensions Drawings

Dimensions



(1) Minimum electrical clearance

LC1		D95
	85	85
with LA4 D●2	135	135
with LA4 DB3 or LAD 4BB3	135	-
b1 with LA4 DF, DT with LA4 DM, DW, DL		142
		150
without cover or add-on blocks	125	125
with cover, without add-on blocks	130	130
with LAD N (1 contact)	150	150
with LAD N or C (2 or 4 contacts)	158	158
with LA6 DK10, LAD 6DK	170	170
with LAD T, R, S	178	178
with LAD T, R, S and sealing cover	182	182
	with LA4 DB3 or LAD 4BB3 with LA4 DF, DT with LA4 DM, DW, DL without cover or add-on blocks with cover, without add-on blocks with LAD N (1 contact) with LAD N or C (2 or 4 contacts) with LA6 DK10, LAD 6DK with LAD T, R, S	with LA4 D•2135with LA4 DB3 or LAD 4BB3135with LA4 DB3 or LAD 4BB3135with LA4 DF, DT142with LA4 DM, DW, DL150without cover or add-on blocks125with cover, without add-on blocks130with LAD N (1 contact)150with LAD N or C (2 or 4 contacts)158with LA6 DK10, LAD 6DK170with LAD T, R, S178

Product data sheet

Connections and Schema

Wiring

