

Product data sheet

Specifications



IEC contactor, TeSys Deca, nonreversing, 200A resistive, 4 pole, 4 NO, 24VDC coil, open style

LC1D115004BD

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

Price*: 673.00 USD

Main

| | |
|--------------------------------|---|
| Range | TeSys |
| Range Of Product | TeSys Deca |
| Product Or Component Type | Contactors |
| Device Short Name | LC1D |
| Contactors Application | Resistive load |
| Utilisation Category | AC-1 AC-3 AC-3e AC-4 |
| Poles Description | 4P |
| [Ue] Rated Operational Voltage | Power circuit <= 1000 V AC 25...400 Hz Power circuit <= 460 V DC |
| [Ie] Rated Operational Current | 200 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit |
| [Uc] Control Circuit Voltage | 24 V DC |

Complementary

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|---|---|
| Compatibility Code | LC1D |
| Pole Contact Composition | 4 NO |
| Protective Cover | With |
| [Ith] Conventional Free Air Thermal Current | 200 A (at 140 °F (60 °C)) for power circuit |
| Irms Rated Making Capacity | 1260 A at 440 V for power circuit conforming to IEC 60947 |
| Rated Breaking Capacity | 1100 A at 440 V for power circuit conforming to IEC 60947 |
| [Icw] Rated Short-Time Withstand Current | 250 A 104 °F (40 °C) - 10 min for power circuit 550 A 104 °F (40 °C) - 1 min for power circuit 950 A 104 °F (40 °C) - 10 s for power circuit 1100 A 104 °F (40 °C) - 1 s for power circuit |
| Associated Fuse Rating | 250 A gG at <= 690 V coordination type 1 for power circuit 200 A gG at <= 690 V coordination type 2 for power circuit |
| Average Impedance | 0.6 mOhm - Ith 200 A 50 Hz for power circuit |
| Power Dissipation Per Pole | 24 W AC-1 |
| [Ui] Rated Insulation Voltage | Power circuit 600 V CSA Power circuit 600 V UL Power circuit 1000 V IEC 60947-4-1 |
| Overvoltage Category | III |

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

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|---|---|
| Pollution Degree | 3 |
| [Uimp] Rated Impulse Withstand Voltage | 8 kV IEC 60947 |
| Safety Reliability Level | B10d = 684932 cycles contactor with nominal load EN/ISO 13849-1 B10d = 10000000 cycles contactor with mechanical load EN/ISO 13849-1 |
| Mechanical Durability | 8 Mcycles |
| Electrical Durability | 0.8 Mcycles 200 A AC-1 ≤ 440 V |
| Control Circuit Type | DC standard |
| Coil Technology | With integral suppression device |
| Control Circuit Voltage Limits | 0.75...1.2 U _c -40...131 °F (-40...55 °C) operational DC 0.15...0.4 U _c -40...158 °F (-40...70 °C) drop-out DC 1...1.2 U _c 131...158 °F (55...70 °C) operational DC |
| Inrush Power In W | 270...365 W 68 °F (20 °C) |
| Hold-In Power Consumption In W | 2.4...5.1 W 68 °F (20 °C) |
| Operating Time | 20...35 ms closing 40...75 ms opening |
| Time Constant | 25 ms |
| Maximum Operating Rate | 1200 cyc/h 140 °F (60 °C) |
| Connections - Terminals | Control circuit: screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 0.00...0.00 in ² (1...2.5 mm ²) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 0.00...0.00 in ² (1...2.5 mm ²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 0.00...0.00 in ² (1...2.5 mm ²) - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) - cable stiffness: solid without cable end Power circuit: connector 1 0.02...0.19 in ² (10...120 mm ²) - cable stiffness: flexible without cable end Power circuit: connector 2 0.02...0.08 in ² (10...50 mm ²) - cable stiffness: flexible without cable end Power circuit: connector 1 0.02...0.19 in ² (10...120 mm ²) - cable stiffness: flexible with cable end Power circuit: connector 2 0.02...0.08 in ² (10...50 mm ²) - cable stiffness: flexible with cable end Power circuit: connector 1 0.02...0.19 in ² (10...120 mm ²) - cable stiffness: solid without cable end Power circuit: connector 2 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) 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 hexagonal 0.16 in (4 mm) Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals pozidriv No 2 |
| Mounting Support | Rail Plate |

Environment

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| Standards | CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508 |
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|--|---|
| Product Certifications | RINA GOST GL CCC DNV BV CSA UL LROS (Lloyds register of shipping) UKCA |
| Ip Degree Of Protection | IP20 front face IEC 60529 |
| Protective Treatment | THIEC 60068-2-30 |
| Climatic Withstand | IACS E10 exposure to damp heat IEC 60947-1 Annex Q category D 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 | 0...9842.52 ft (0...3000 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, 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 | 5.20 in (132 mm) |
| Net Weight | 6.31 lb(US) (2.86 kg) |

Ordering and shipping details

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|--------------------------|---------------|
| Category | US10I1222359 |
| Discount Schedule | 0I12 |
| Gtin | 3389110857245 |
| Returnability | No |
| Country Of Origin | CZ |

Packing Units

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|-------------------------------------|-----------------------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 6.61 in (16.8 cm) |
| Package 1 Width | 8.35 in (21.2 cm) |
| Package 1 Length | 7.28 in (18.5 cm) |
| Package 1 Weight | 6.06 lb(US) (2.75 kg) |

Contractual warranty

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|-----------------|-----------|
| Warranty | 18 months |
|-----------------|-----------|

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class 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

 Mercury Free

 Rohs Exemption Information Yes

 Pvc Free

Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant with Exemptions

China Rohs Regulation

[China RoHS declaration](#)

Product out of China RoHS scope. Substance declaration for your information.

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

[End of Life Information](#)

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