# 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

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|---|---|
| **Range** | TeSys |
| **Range Of Product** | TeSys Deca |
| **Product Or Component Type** | Contactor |
| **Device Short Name** | LC1D |
| **Contactor Application** | Resistive load |
| **Utilisation Category** | AC-1<br>AC-3<br>AC-3e<br>AC-4 |
| **Poles Description** | 4P |
| **[Ue] Rated Operational Voltage** | Power circuit <= 1000 V AC 25...400 Hz<br>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<br>550 A 104 °F (40 °C) - 1 min for power circuit<br>950 A 104 °F (40 °C) - 10 s for power circuit<br>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<br>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<br>Power circuit 600 V UL<br>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.

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

| | |
|---|---|
| **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<br>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 Uc -40…131 °F (-40…55 °C) operational DC<br>0.15...0.4 Uc -40…158 °F (-40…70 °C) drop-out DC<br>1...1.2 Uc 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<br>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 in² (1…2.5 mm²) - cable stiffness: flexible with cable end<br>Control circuit: screw clamp terminals 1 0.00…0.00 in² (1…2.5 mm²) - cable stiffness: flexible with cable end<br>Control circuit: screw clamp terminals 1 0.00…0.00 in² (1…2.5 mm²) - cable stiffness: flexible without cable end<br>Control circuit: screw clamp terminals 2 0.00…0.00 in² (1…2.5 mm²) - cable stiffness: flexible without cable end<br>Control circuit: screw clamp terminals 1 0.00…0.00 in² (1…2.5 mm²) - cable stiffness: solid without cable end<br>Control circuit: screw clamp terminals 2 0.00…0.00 in² (1…2.5 mm²) - cable stiffness: solid without cable end<br>Power circuit: connector 1 0.02…0.19 in² (10…120 mm²) - cable stiffness: flexible without cable end<br>Power circuit: connector 2 0.02…0.08 in² (10…50 mm²) - cable stiffness: flexible without cable end<br>Power circuit: connector 1 0.02…0.19 in² (10…120 mm²) - cable stiffness: flexible with cable end<br>Power circuit: connector 2 0.02…0.08 in² (10…50 mm²) - cable stiffness: flexible with cable end<br>Power circuit: connector 1 0.02…0.19 in² (10…120 mm²) - cable stiffness: solid without cable end<br>Power circuit: connector 2 0.02…0.08 in² (10…50 mm²) - 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<br>Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals Philips No 2<br>Power circuit 106.21 lbf.in (12 N.m) connector hexagonal 0.16 in (4 mm)<br>Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals pozidriv No 2 |
| **Mounting Support** | Rail<br>Plate |

# Environment

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| **Standards** | CSA C22.2 No 14<br>EN 60947-4-1<br>EN 60947-5-1<br>IEC 60947-4-1<br>IEC 60947-5-1<br>UL 508 |

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|---|---|
| **Product Certifications** | RINA<br>GOST<br>GL<br>CCC<br>DNV<br>BV<br>CSA<br>UL<br>LROS (Lloyds register of shipping)<br>UKCA |
| **Ip Degree Of Protection** | IP20 front face IEC 60529 |
| **Protective Treatment** | THIEC 60068-2-30 |
| **Climatic Withstand** | IACS E10 exposure to damp heat<br>IEC 60947-1 Annex Q category D exposure to damp heat |
| **Permissible Ambient Air Temperature Around The Device** | -40…140 °F (-40…60 °C)<br>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)<br>Vibrations contactor closed 4 Gn, 5...300 Hz)<br>Shocks contactor closed 15 Gn for 11 ms)<br>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-$CO_2$ 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

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| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant with Exemptions |
| **China Rohs Regulation** | China RoHS declaration<br>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 |