Product data sheet

Specifications





IEC contactor, TeSys Deca, nonreversing, 60A resistive, 4 pole, 4 NO, 220VAC 50/60Hz coil, open style

LC1DT60AM7

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

Price*: 353.16 USD

Main

| Range | TeSys TeSys Deca |
|--------------------------------|---|
| Range of Product | TeSys Deca |
| Product or Component Type | Contactor |
| Device short name | LC1D |
| contactor application | Resistive load |
| Utilisation category | AC-1 |
| poles description | 4P |
| [Ue] rated operational voltage | Power circuit <= 690 V AC 25400 Hz Power circuit <= 300 V DC |
| [le] rated operational current | 60 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit |
| [Uc] control circuit voltage | 220 V AC 50/60 Hz |

Complementary

| Compatibility code | LC1D |
|---|---|
| Pole contact composition | 4 NO |
| Protective cover | With |
| [Ith] conventional free air thermal current | 10 A (at 140 °F (60 °C)) for signalling circuit 60 A (at 140 °F (60 °C)) for power circuit |
| Irms rated making capacity | 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 800 A at 440 V for power circuit conforming to IEC 60947 |
| Rated breaking capacity | 800 A at 440 V for power circuit conforming to IEC 60947 |
| [lcw] rated short-time withstand current | 320 A 104 °F (40 °C) - 10 s for power circuit 720 A 104 °F (40 °C) - 1 s for power circuit 72 A 104 °F (40 °C) - 10 min for power circuit 165 A 104 °F (40 °C) - 1 min for power circuit 100 A - 1 s for signalling circuit 120 A - 500 ms for signalling circuit 140 A - 100 ms for signalling circuit |
| Associated fuse rating | 10 A gG for signalling circuit conforming to IEC 60947-5-1 80 A gG at <= 690 V coordination type 1 for power circuit 80 A gG at <= 690 V coordination type 2 for power circuit |
| Average impedance | 1.6 mOhm - Ith 60 A 50 Hz for power circuit |
| Power dissipation per pole | 5.8 W AC-1 |
| | |

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

| [Ui] rated insulation 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 Power circuit 690 V IEC 60947-4-1 |
|--|--|
| Overvoltage category | III |
| Pollution degree | 3 |
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60947 |
| Safety reliability level | B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1 |
| Mechanical durability | 6 Mcycles |
| Electrical durability | 1.4 Mcycles 60 A AC-1 <= 440 V |
| Control circuit type | AC 50/60 Hz |
| Coil technology | Without built-in suppressor module |
| Control circuit voltage limits | 0.30.6 Uc -40158 °F (-4070 °C) drop-out AC 50/60 Hz 0.81.1 Uc -40140 °F (-4060 °C) operational AC 50 Hz 0.851.1 Uc -40140 °F (-4060 °C) operational AC 60 Hz 11.1 Uc 140158 °F (6070 °C) operational AC 50/60 Hz |
| Inrush power in VA | 140 VA 60 Hz cos phi 0.75 (at 68 °F (20 °C)) 160 VA 50 Hz cos phi 0.75 (at 68 °F (20 °C)) |
| Hold-in power consumption in VA | 13 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C)) 15 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C)) |
| Heat dissipation | 45 W at 50/60 Hz |
| Operating time | 419 ms opening 1226 ms closing |
| Maximum operating rate | 3600 cyc/h 140 °F (60 °C) |
| Maximum operating rate | 3600 cyc/h at 60 °C |
| Connections - terminals | Control circuit: screw clamp terminals 2 0.0020.004 in ² (12.5 mm ²) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 0.0020.006 in ² (14 mm ²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 0.0020.006 in ² (14 mm ²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 0.0020.006 in ² (14 mm ²) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 0.0020.006 in ² (14 mm ²) - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 0.0020.006 in ² (14 mm ²) - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 0.0020.006 in ² (14 mm ²) - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 1 0.0020.05 in ² (135 mm ²) - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 2 0.0020.04 in ² (135 mm ²) - cable stiffness: flexible without cable end Power circuit: EverLink BTR screw connectors 2 0.0020.05 in ² (135 mm ²) - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 0.0020.05 in ² (135 mm ²) - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 2 0.0020.04 in ² (125 mm ²) - cable stiffness: flexible with cable end Power circuit: EverLink BTR screw connectors 1 0.0020.05 in ² (135 mm ²) - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 1 0.0020.05 in ² (135 mm ²) - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 0.0020.04 in ² (125 mm ²) - cable stiffness: solid without cable end Power circuit: EverLink BTR screw connectors 2 0.0020.04 in ² (125 mm ²) - cable stiffness: solid without cable end |
| Tightening torque | Control circuit 15.05 lbf.in (1.7 N.m) EverLink BTR screw connectors flat Ø 6 mm Control circuit 15.05 lbf.in (1.7 N.m) EverLink BTR screw connectors Philips No 2 Power circuit 70.8 lbf.in (8 N.m) EverLink BTR screw connectors 0.040.05 in ² (25 35 mm ²) hexagonal 0.2 in (4 mm) Power circuit 44.3 lbf.in (5 N.m) EverLink BTR screw connectors 0.0020.04 in ² (1 25 mm ²) hexagonal 0.2 in (4 mm) Control circuit 15.05 lbf.in (1.7 N.m) EverLink BTR screw connectors pozidriv No 2 Power circuit 22.1 lbf.in (2.5 N.m) EverLink BTR screw connectors pozidriv No 2 1 NO + 1 NC |

| Auxiliary contacts type | Mechanically linked 1 NO + 1 NC IEC 60947-5-1 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 | Rail Plate | |

Environment

| Standards | CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508 IEC 60335-1 | |
|---|--|--|
| Product Certifications | LROS (Lloyds register of shipping) UL GOST BV CCC CSA RINA 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 IEC 60947-1 Annex Q category D exposure to damp heat | |
| Permissible ambient air temperature around the device | -40140 °F (-4060 °C) 140158 °F (6070 °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) Vibrations contactor closed 4 Gn, 5300 Hz) Shocks contactor closed 15 Gn for 11 ms) Shocks contactor open 10 Gn for 11 ms) | |
| Height | 4.8 in (122 mm) | |
| Width | 2.8 in (70 mm) | |
| Depth | 4.7 in (120 mm) | |
| Net Weight | 2.40 lb(US) (1.09 kg) | |

Ordering and shipping details

| Category | US10I1222357 | |
|-------------------|---------------|--|
| Discount Schedule | 0112 | |
| GTIN | 3389119409292 | |
| Returnability | No | |
| Country of origin | ID | |

Packing Units

| Unit Type of Package 1 | PCE |
|------------------------------|-----------------------------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.1 in (8 cm) |
| Package 1 Width | 5.5 in (14 cm) |
| Package 1 Length | 5.9 in (15 cm) |
| Package 1 Weight | 2.418 lb(US) (1.097 kg) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 7 |
| Package 2 Height | 5.9 in (15 cm) |
| Package 2 Width | 11.8 in (30 cm) |
| Package 2 Length | 15.7 in (40 cm) |
| Package 2 Weight | 17.727 lb(US) (8.041 kg) |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 112 |
| Package 3 Height | 30.3 in (77 cm) |
| Package 3 Width | 31.5 in (80 cm) |
| Package 3 Length | 23.6 in (60 cm) |
| Package 3 Weight | 305.658 lb(US) (138.644 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 | 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 |

Offer Marketing Illustration

Product benefits / Features



Product data sheet

Image of product / Alternate images

Alternative

Product data sheet LC1DT60AM7





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