

TeSys Deca contactor, 3P(3NO), AC-3/AC-3e, 440V, 95 A, 24V DC standard coil

LC1D95BD

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| Main | | | |
|---|--|--|--|
| Range | TeSys | | |
| Product name | TeSys D TeSys Deca | | |
| Product or component type | Contactor | | |
| Device short name | LC1D | | |
| Contactor application | Resistive load Motor control | | |
| Utilisation category | AC-1 AC-4 AC-3 AC-3e | | |
| Poles description | 3P | | |
| Power pole contact composition | 3 NO | | |
| [Ue] rated operational voltage | Power circuit: 1000 V AC 25400 Hz | | |
| [le] rated operational current | 95 A (at <60 °C) at <= 440 V AC-3 for power circuit 125 A (at <60 °C) at <= 690 V AC-1 for power circuit 95 A (at <60 °C) at <= 440 V AC-3e for power circuit | | |
| 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) 45 kW at 1000 V AC 50 Hz (AC-3) | | |
| Motor power HP (UL / CSA) | 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 phases motors 30 hp at 230/240 V AC 60 Hz for 3 phases motors 60 hp at 460/480 V AC 60 Hz for 3 phases motors 60 hp at 575/600 V AC 60 Hz for 3 phases motors | | |
| Control circuit type | DC standard | | |
| [Uc] control circuit voltage | 24 V DC | | |
| Auxiliary contact composition | 1 NO + 1 NC | | |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947 | | |
| Overvoltage category | III | | |
| [Ith] conventional free air thermal current | 10 A (at 60 °C) for signalling circuit 125 A (at 60 °C) for power circuit | | |
| 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 current | 1100 A 40 °C - 1 s for power circuit 800 A 40 °C - 10 s for power circuit 400 A 40 °C - 1 min for power circuit 135 A 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 | | |
| [Ui] rated insulation voltage | Power circuit: 1000 V conforming to IEC 60947-4-1 Signalling circuit: 690 V conforming to IEC 60947-1 | | |
| Electrical durability | 1.2 Mcycles 95 A AC-3 1.3 Mcycles 125 A AC-1 1.2 Mcycles 95 A AC-3e | | |
| Power dissipation per pole | 12.5 W AC-1 7.2 W AC-3 7.2 W AC-3e | | |
| Front cover | With | | |
| Mounting support | Rail Plate | | |
| Standards | EN/IEC 60947-1 EN/IEC 60947-4-1 EN/IEC 60947-5-1 GB/T 14048.4 | | |
| Product certifications | IECEE CB Scheme CCC EAC LROS (Lloyds register of shipping) RINA BV DNV-GL | | |
| Connections - terminals | Control circuit: screw clamp terminals 2 cable(s) 12.5 mm²flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 12.5 mm²flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm²flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm²flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 14 mm²solid without cable end Control circuit: screw clamp terminals 2 cable(s) 14 mm²solid without cable end Power circuit: connector 1 cable(s) 450 mm²flexible without cable end Power circuit: connector 2 cable(s) 425 mm²flexible without cable end Power circuit: connector 1 cable(s) 450 mm²flexible with cable end Power circuit: connector 2 cable(s) 416 mm²flexible with cable end Power circuit: connector 1 cable(s) 450 mm²solid without cable end Power circuit: connector 2 cable(s) 450 mm²solid without cable end | | |
| Tightening torque | Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 12 N.m - on connector - with screwdriver flat Ø 6 to Ø 8 mm Power circuit: 12 N.m - on connector hexagonal screw head 4 mm Control circuit: 1.2 N.m - on screw clamp terminals - with screwdriver pozidriv No 2 | | |
| Operating time | 95130 ms closing 2035 ms opening | | |
| Safety reliability level | B10d = 1.3 Mcycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20 Mcycles contactor with mechanical load conforming to EN/ISO 13849-1 | | |
| Mechanical durability | 10 Mcycles | | |
| Maximum operating rate | 3600 cyc/h 60 °C | | |
| Complementary | | | |
| Coil technology | Without built-in suppressor module | | |
| Control circuit voltage limits | 0.10.3 Uc (-4070 °C):drop-out DC 0.851.1 Uc (-4055 °C):operational DC 11.1 Uc (5570 °C):operational DC | | |
| Time constant | 75 ms | | |
| Inrush power in W | 22 W (at 20 °C) | | |
| Hold-in power consumption in | 22 W at 20 °C | | |

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| 80.0 cm | |
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| Green Premium product | |
| REACh Declaration | |
| Yes | |
| Compliant EU RoHS Declaration | |
| Yes | |
| Yes | |
| Yes | |
| China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope) | |
| Product Environmental Profile | |
| The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins | |
| Yes | |
| 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 | |
| | |

18 months

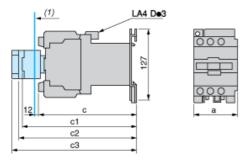
Warranty

Product data sheet

LC1D95BD

Dimensions Drawings

Dimensions



(1) Minimum electrical clearance

| LC1 | D80 and D95 | |
|-----|------------------------------------|-----|
| а | | 85 |
| b1 | with LAD 4BB3 | - |
| | with LA4 DF, DT | - |
| С | without cover or add-on blocks | 181 |
| | with cover, without add-on blocks | 186 |
| c1 | with LAD N (1 contact) | 204 |
| | with LAD N or C (2 or 4 contacts) | 210 |
| c2 | with LA6 DK10 | 221 |
| с3 | with LAD T, R, S | 229 |
| | with LAD T, R, S and sealing cover | 233 |

Product data sheet

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Connections and Schema

Wiring

