

# LC1DT25BD

Contacteur, TeSys Deca, 4P(4 NO), AC-1, <=440V, 25A, 24VDC standard coil, screw clamp terminal



## Galvenā

|                                    |  |
|------------------------------------|--|
| Diapazons                          | TeSys<br>TeSys Deca  |
| Produkta sērija                    | TeSys Deca   |
| Produkta vai sastāvdaļas veids     | Contacteur   |
| Ierīces īsais nosaukums            | LC1D   |
| Contacteur application             | Resistive load   |
| Utilisation category               | AC-1<br>AC-3<br>AC-3e<br>AC-4                                      |
| Polu skaits                        | 4P   |
| [Ue] nominālais darbības spriegums | Strāvas ķēde: <= 690 V AC 25...400 Hz<br>Strāvas ķēde: <= 300 V DC |
| [Ie] rated operational current     | 25 A (at <60 °C) at <= 440 V AC AC-1 for strāvas ķēde              |
| [Uc] control circuit voltage       | 24 V DC  |

## Papildinošs

|   |  |
|---|--|
| Compatibility code                          | LC1D   |
| Pole contact composition                    | 4 NO   |
| Protective cover                            | With   |
| [Ith] conventional free air thermal current | 10 A (at 60 °C) for signalling circuit<br>25 A (at 60 °C) for strāvas ķēde   |
| Irms rated making capacity                  | 140 A AC for signalling circuit conforming to IEC 60947-5-1<br>250 A DC for signalling circuit conforming to IEC 60947-5-1<br>250 A at 440 V for strāvas ķēde conforming to IEC 60947  |
| Rated breaking capacity                     | 250 A at 440 V for strāvas ķēde conforming to IEC 60947  |
| [Icw] rated short-time withstand current    | 30 A 40 °C - 10 min for strāvas ķēde<br>61 A 40 °C - 1 min for strāvas ķēde<br>105 A 40 °C - 10 s for strāvas ķēde<br>210 A 40 °C - 1 s for strāvas ķēde<br>100 A - 1 s for signalling circuit<br>120 A - 500 ms for signalling circuit<br>140 A - 100 ms for signalling circuit |
| Associated fuse rating                      | 10 A gG for signalling circuit conforming to IEC 60947-5-1<br>40 A gG at <= 690 V coordination type 1 for strāvas ķēde<br>25 A gG at <= 690 V coordination type 2 for strāvas ķēde   |
| Average impedance                           | 2,5 mhm - Ith 25 A 50 Hz for strāvas ķēde  |
| Power dissipation per pole                  | 1,56 W AC-1  |
| [Ui] rated insulation voltage               | Strāvas ķēde 600 V CSA<br>Strāvas ķēde 600 V UL<br>Signalling circuit 690 V IEC 60947-1<br>Signalling circuit 600 V CSA<br>Signalling circuit 600 V UL<br>Strāvas ķēde 690 V IEC 60947-4-1   |
| Pārsprieguma kategorija                     | III  |
| Piesārņojuma pakāpe                         | 3  |
| [Uimp] rated impulse withstand voltage      | 6 kV IEC 60947   |
| Safety reliability level                    | B10d = 1369863 cikli contacteur with nominal load EN/ISO 13849-1<br>B10d = 20000000 cikli contacteur with mechanical load EN/ISO 13849-1   |

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|--------------------------------|--|
| Mehāniskā izturība             | 30 M cikli   |
| Electrical durability          | 0,8 M cikli 25 A AC-1 <= 440 V   |
| Control circuit type           | DC standard  |
| Coil technology                | Built-in bidirectional peak limiting diode suppressor  |
| Control circuit voltage limits | 0.1...0.25 Uc -40...70 °C drop-out DC<br>0.7...1.25 Uc -40...60 °C operational DC<br>1...1.25 Uc 60...70 °C operational DC   |
| Inrush power in W              | 5,4 W 20 °C)   |
| Hold-in power consumption in W | 5,4 W 20 °C  |
| Operating time                 | 20 ±20 % ms opening<br>63 ±15 % ms closing   |
| Time constant                  | 28 ms  |
| Maximum operating rate         | 3600 cikls/h 60 °C   |
| Connections - terminals        | Control circuit: screw clamp terminals 2 1...2,5 mm <sup>2</sup> - cable stiffness: elastīgs with cable end<br>Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: elastīgs without cable end<br>Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: elastīgs without cable end<br>Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: elastīgs with cable end<br>Control circuit: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: ciets without cable end<br>Control circuit: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: ciets without cable end<br>Strāvas ķēde: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: elastīgs without cable end<br>Strāvas ķēde: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: elastīgs without cable end<br>Strāvas ķēde: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: elastīgs with cable end<br>Strāvas ķēde: screw clamp terminals 2 1...2,5 mm <sup>2</sup> - cable stiffness: elastīgs with cable end<br>Strāvas ķēde: screw clamp terminals 1 1...4 mm <sup>2</sup> - cable stiffness: ciets without cable end<br>Strāvas ķēde: screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: ciets without cable end |
| Tightening torque              | Control circuit 1,7 N.m screw clamp terminals flat Ø 6 mm<br>Control circuit 1,7 N.m screw clamp terminals Philips No 2<br>Strāvas ķēde 1,7 N.m screw clamp terminals flat Ø 6 mm<br>Strāvas ķēde 1,7 N.m screw clamp terminals Philips No 2<br>Control circuit 1,7 N.m screw clamp terminals pozidriv No 2<br>Strāvas ķēde 1,7 N.m screw clamp terminals pozidriv No 2  |
| Papildkontakta veids           | 1 NO + 1 NC  |
| Auxiliary contacts type        | Mechanically linked 1 NO + 1 NC IEC 60947-5-1<br>Mirror contact 1 NC IEC 60947-4-1   |
| Signalling circuit frequency   | 25...400 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<br>1,5 ms on energisation between NC and NO contact  |
| Montāžas stiprinājums          | Rail<br>Plāksne  |



## Vide

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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<br>IEC 60335-1   |
| Produkta sertifikācija                                | CCC[RETURN]GL[RETURN]BV[RETURN]LROS (Lloyds register of shipping)<br>[RETURN]CSA[RETURN]DNV[RETURN]RINA[RETURN]UL[RETURN]GOST  |
| IP degree of protection                               | IP20 priekšpuse IEC&nbsp;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...60 °C<br>60...70 °C with derating  |
| Operating altitude                                    | 0...3000 m   |
| Fire resistance                                       | 850 °C IEC 60695-2-1   |
| Flame retardance                                      | V1 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 10 Gn for 11 ms) |
| Augstums  | 85 mm  |
| Platums   | 45 mm  |
| Dziļums   | 99 mm  |
| Neto svars  | 0,365 kg   |

## Iepakojšanas vienības

|                                |            |
|--------------------------------|------------|
| Pirmā iepakojuma vienības tips | PCE        |
| Vienību skaits 1. iepakojumā   | 1          |
| 1. iepakojuma augstums         | 5,500 cm   |
| 1. iepakojuma platums          | 9,500 cm   |
| 1. iepakojuma garums           | 12,000 cm  |
| 1. iepakojuma svars            | 556,000 g  |
| Otrā iepakojuma vienības tips  | S02        |
| Vienību skaits 2. iepakojumā   | 16         |
| 2. iepakojuma augstums         | 15,000 cm  |
| 2. iepakojuma platums          | 30,000 cm  |
| 2. iepakojuma garums           | 40,000 cm  |
| 2. iepakojuma svars            | 9,335 kg   |
| Trešā iepakojuma vienības tips | P06        |
| Vienību skaits 3. iepakojumā   | 256        |
| 3. iepakojuma augstums         | 75,000 cm  |
| 3. iepakojuma platums          | 60,000 cm  |
| 3. iepakojuma garums           | 80,000 cm  |
| 3. iepakojuma svars            | 155,500 kg |

## Piedāvājiēt ilgtspēju

|                                 |   |
|---------------------------------|---|
| Ilgspējīgs piedāvājuma statuss  | Green Premium izstrādājums  |
| REACH regula                    |  |
| ES RoHS direktīva               | Atbilst izņēmumiem  |
| Nesatur dzīvsudrabu             | Jā  |
| Ķīnas RoHS regula               |  |
| Informācija par RoHS izņēmumiem |  |
| Vides informācijas publicēšana  |  |

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| Cirkularitātes profils | <a href="#">Informācija Par Eksploatācijas Izbeigšanu</a> |
| Nesatur PVH            | Jā  |

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### Līguma garantija

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| Garantija | 18 months |
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