

## Mer om LC1DT25P7

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Electric tools

**LC1DT25P7**

**4-polede kontaktorer med AC-spole til motordrift og til ikke induktive belastning**

EI-nummer: 4176659

EAN: 3389110244571



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**Karakteristikk****Teknisk informasjon**

|                                          |                                                                                                                                                                                                                                                                                      |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Serie                                    | TeSys                                                                                                                                                                                                                                                                                |
| Produktnavn                              | TeSys D                                                                                                                                                                                                                                                                              |
| Produkt eller type komponent             | Kontaktor                                                                                                                                                                                                                                                                            |
| Kortnavn utstyr                          | LC1D                                                                                                                                                                                                                                                                                 |
| Contact application                      | Omsklast                                                                                                                                                                                                                                                                             |
| Driftskategori                           | AC-1                                                                                                                                                                                                                                                                                 |
| Antall poler                             | 4P                                                                                                                                                                                                                                                                                   |
| Power pole contact composition           | 4 NO                                                                                                                                                                                                                                                                                 |
| [Ue] merkespenning                       | Power circuit: ≤ 690 V AC 25...400 Hz<br>Power circuit: ≤ 300 V DC                                                                                                                                                                                                                   |
| [Ie] nominell driftsstrøm                | 25 A (at ≤ 60 °C) at ≤ 440 V AC AC-1 for power circuit                                                                                                                                                                                                                               |
| Kontrollkretstype                        | AC at 50/60 Hz                                                                                                                                                                                                                                                                       |
| Styrespenning                            | 230 V AC 50/60 Hz                                                                                                                                                                                                                                                                    |
| Hjelpkontakt sammensetning               | 1 NO + 1 NC                                                                                                                                                                                                                                                                          |
| [Uimp] Nominell impuls-spenning          | 6 kV conforming to IEC 60947                                                                                                                                                                                                                                                         |
| Overspenningskategori                    | III                                                                                                                                                                                                                                                                                  |
| [Ith] fri luft termisk strøm             | 10 A (at 60 °C) for signalling circuit<br>25 A (at 60 °C) for power circuit                                                                                                                                                                                                          |
| 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 power circuit conforming to IEC 60947                                                                                               |
| Rated breaking capacity                  | 250 A at 440 V for power circuit conforming to IEC 60947                                                                                                                                                                                                                             |
| [Icw] kort-tids/kortslutnings merkestrøm | 30 A 40 °C - 10 min for power circuit<br>61 A 40 °C - 1 min for power circuit<br>105 A 40 °C - 10 s for power circuit<br>210 A 40 °C - 1 s for power circuit<br>100 A - 1 s for signalling circuit<br>120 A - 500 ms for signalling circuit<br>140 A - 100 ms for signalling circuit |

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sikringsstørrelse</b>          | 10 A gG for signalling circuit conforming to IEC 60947-5-1<br>40 A gG at ≤ 690 V coordination type 1 for power circuit<br>25 A gG at ≤ 690 V coordination type 2 for power circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gjennomsnittlig impedanse</b>  | 2.5 mOhm - Ith 25 A 50 Hz for power circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>[Ui] isolasjonsspenning</b>    | Power circuit: 600 V CSA certified<br>Power circuit: 600 V UL certified<br>Signalling circuit: 690 V conforming to IEC 60947-1<br>Signalling circuit: 600 V CSA certified<br>Signalling circuit: 600 V UL certified<br>Power circuit: 690 V conforming to IEC 60947-4-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Elektrisk levetid</b>          | 0.8 Mcycles 25 A AC-1 at Ue ≤ 440 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Power dissipation per pole</b> | 1.56 WAC-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Front cover</b>                | Med                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Montering</b>                  | Plate<br>Skinne                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Standarder</b>                 | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Produktsertifikater</b>        | UL<br>BV<br>CCC<br>LROS (Lloyds register of shipping)<br>DNV<br>CSA<br>RINA<br>GOST<br>GL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Tilkoblingsklemmer</b>         | Control circuit: screw clamp terminals 2 cable(s)<br>1...2.5 mm²flexible with cable end<br>Control circuit: screw clamp terminals 1 cable(s)<br>1...4 mm²flexible without cable end<br>Control circuit: screw clamp terminals 2 cable(s)<br>1...4 mm²flexible without cable end<br>Control circuit: screw clamp terminals 1 cable(s)<br>1...4 mm²flexible with cable end<br>Control circuit: screw clamp terminals 1 cable(s)<br>1...4 mm²solid without cable end<br>Control circuit: screw clamp terminals 2 cable(s)<br>1...4 mm²solid without cable end<br>Power circuit: screw clamp terminals 1 cable(s)<br>1...4 mm²flexible without cable end<br>Power circuit: screw clamp terminals 2 cable(s)<br>1...4 mm²flexible without cable end<br>Power circuit: screw clamp terminals 1 cable(s)<br>1...4 mm²flexible with cable end<br>Power circuit: screw clamp terminals 2 cable(s)<br>1...2.5 mm²flexible with cable end<br>Power circuit: screw clamp terminals 1 cable(s)<br>1...4 mm²solid without cable end<br>Power circuit: screw clamp terminals 2 cable(s)<br>1...4 mm²solid without cable end |
| <b>Tiltrekningsmoment</b>         | Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm<br>Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2<br>Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm<br>Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Driftstid</b>                  | 4...19 ms opening<br>12...22 ms closing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

|                                         |                                                                                                                                                                                                           |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sikkerhet pålitelighet nivå</b>      | B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1<br>B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1                                      |
| <b>Mekanisk levetid</b>                 | 15 Mcycles                                                                                                                                                                                                |
| <b>Bruksområde</b>                      | 3600 cyc/h 60 °C                                                                                                                                                                                          |
| <b>Komplementær</b>                     |                                                                                                                                                                                                           |
| <b>Spiral teknologi</b>                 | Uten innebygd suppressor modul                                                                                                                                                                            |
| <b>Control circuit voltage limits</b>   | 0.3...0.6 Uc (-40...70 °C):drop-out AC 50/60 Hz<br>0.8...1.1 Uc (-40...60 °C):operational AC 50 Hz<br>0.85...1.1 Uc (-40...60 °C):operational AC 60 Hz<br>1...1.1 Uc (60...70 °C):operational AC 50/60 Hz |
| <b>Inrush power in VA</b>               | 70 VA 60 Hz cos phi 0.75 (at 20 °C)<br>70 VA 50 Hz cos phi 0.75 (at 20 °C)                                                                                                                                |
| <b>Hold-in strømforbruk i VA</b>        | 7.5 VA 60 Hz cos phi 0.3 (at 20 °C)<br>7 VA 50 Hz cos phi 0.3 (at 20 °C)                                                                                                                                  |
| <b>Varmeavgivelse</b>                   | 2...3 Wat 50/60 Hz                                                                                                                                                                                        |
| <b>Auxiliary contacts type</b>          | Type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1<br>Type mirror contact 1 NC conforming to IEC 60947-4-1                                                                                  |
| <b>Signale krets frekvens</b>           | 25...400 Hz                                                                                                                                                                                               |
| <b>Minimum brytestrøm</b>               | 5 mA for signalling circuit                                                                                                                                                                               |
| <b>Minimum switching voltage</b>        | 17 V for signalling circuit                                                                                                                                                                               |
| <b>Non-overlap time</b>                 | 1.5 ms on de-energisation between NC and NO contact<br>1.5 ms on energisation between NC and NO contact                                                                                                   |
| <b>Isolasjonsmotstand</b>               | > 10 MOhm for signalling circuit                                                                                                                                                                          |
| <b>Miljø</b>                            |                                                                                                                                                                                                           |
| <b>IP-grad</b>                          | IP20 front face conforming to IEC 60529                                                                                                                                                                   |
| <b>Protective treatment</b>             | TH conforming to IEC 60068-2-30                                                                                                                                                                           |
| <b>Forurensninggrad</b>                 | 3                                                                                                                                                                                                         |
| <b>Omgivelsestemperatur for drift</b>   | -40...60 °C<br>60...70 °C with derating                                                                                                                                                                   |
| <b>Omgivelsestemperatur for lagring</b> | -60...80 °C                                                                                                                                                                                               |
| <b>Operating altitude</b>               | 0...3000 m                                                                                                                                                                                                |
| <b>Brannmotstand</b>                    | 850 °C i samsvar med IEC 60695-2-1                                                                                                                                                                        |
| <b>Flammehemming</b>                    | V1 conforming to UL 94                                                                                                                                                                                    |
| <b>Mekanisk robusthet</b>               | 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                        |
| <b>Høyde</b>                            | 85 mm                                                                                                                                                                                                     |
| <b>Bredde</b>                           | 45 mm                                                                                                                                                                                                     |
| <b>Dybde</b>                            | 92 mm                                                                                                                                                                                                     |
| <b>Vekt</b>                             | 0,365 kg                                                                                                                                                                                                  |
| <b>Packing Units</b>                    |                                                                                                                                                                                                           |
| <b>Enhetstype forpakning 1</b>          | PCE                                                                                                                                                                                                       |

|                              |                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Antall enheter forpakning 1  | 1                                                                                                                          |
| Forpakning 1 vekt            | 420 g                                                                                                                      |
| Forpakning 1 høyde           | 4,9 cm                                                                                                                     |
| Forpakning 1 bredde          | 11,1 cm                                                                                                                    |
| Forpakning 1 lengde          | 8,9 cm                                                                                                                     |
| <b>Offer Sustainability</b>  |                                                                                                                            |
| Produktets miljøstatus       | Green Premium miljømerket produkt                                                                                          |
| REACH-regelverk              | <a href="#">REACH-erklæring</a>                                                                                            |
| REACH fri for SVHC           | Ja                                                                                                                         |
| EU RoHS-direktiv             | I samsvar<br><a href="#">EU RoHS-erklæring</a>                                                                             |
| Fri for giftige tungmetaller | Ja                                                                                                                         |
| Kvikksølv fri                | Ja                                                                                                                         |
| Informasjon om RoHS-unntak   | <a href="#">Ja</a>                                                                                                         |
| Kinas RoHS-forskrift         | <a href="#">Kinas RoHS-erklæring</a>                                                                                       |
| Miljøinformasjon             | <a href="#">Produktmiljøprofil</a>                                                                                         |
| Produktets livssyklus        | <a href="#">Informasjon om levetidsslutt</a>                                                                               |
| WEEE                         | Innen EU må produktet avhendes i henhold til bestemte regler for avfallshåndtering og aldri kastes som husholdningsavfall. |
| PVC-fri                      | Ja                                                                                                                         |
| <b>Garantiperiode</b>        |                                                                                                                            |
| Garanti                      | 18 months                                                                                                                  |