# Product datasheet

Specifications

Discontinued

## Contactor, TeSys Deca S207,4P(4NO),AC-1 20A , <=440V, 110V DC coil low consumption coil, lugs-ring terminal

LC1DT206FLS207

Discontinued on: 9 Feb 2023

## Main

| | |
|---|---|
| **Range** | TeSys<br>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 25...400 Hz |
| **[Ie] rated operational current** | 9 A (at <60 °C) at <= 440 V AC AC-3 for power circuit<br>20 A (at <60 °C) at <= 440 V AC AC-1 for power circuit |

## Complementary

| | |
|---|---|
| **Pole contact composition** | 4 NO |
| **Protective cover** | With |
| **Auxiliary contacts type** | 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 |
| **Auxiliary contact composition** | 1 NO + 1 NC |
| **[Ui] rated insulation voltage** | Power circuit: 690 V conforming to IEC 60947-4-1<br>Signalling circuit: 690 V conforming to IEC 60947-1 |
| **[Uimp] rated impulse withstand voltage** | 6 kV conforming to IEC 60947 |
| **Overvoltage category** | III |
| **[Ith] conventional free air thermal current** | 10 A (at 60 °C) for signalling circuit<br>20 A (at 60 °C) for power circuit |
| **Irms rated making capacity** | 250 A at 440 V for power circuit conforming to IEC 60947<br>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 |
| **Rated breaking capacity** | 250 A at 440 V for power circuit conforming to IEC 60947 |
| **Associated fuse rating** | 10 A gG for signalling circuit conforming to IEC 60947-5-1<br>25 A gG at <= 690 V coordination type 1 for power circuit<br>20 A gG at <= 690 V coordination type 2 for power circuit |
| **Time constant** | 37 ms |
| **Control circuit type** | DC low consumption |
| **Coil technology** | With integral suppression device |

| | |
|---|---|
| **Control circuit voltage limits** | 0.1...0.25 Uc (-40…70 °C):drop-out DC<br>0.7...1.25 Uc (-40…70 °C):operational DC |
| **Average impedance** | 2.5 mOhm - Ith 20 A 50 Hz for power circuit |
| **Power dissipation per pole** | 1.56 W AC-1<br>0.2 W AC-3 |
| **Minimum switching current** | 5 mA for signalling circuit |
| **Minimum switching voltage** | 17 V 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 |
| **Operating time** | 77 ±15 % ms closing<br>25 ±20 % ms opening |
| **Maximum operating rate** | 3600 cyc/h 60 °C |
| **Inrush power in W** | 4 W (at 20 °C) |
| **Hold-in power consumption in W** | 4 W at 20 °C |
| **Insulation resistance** | > 10 MOhm for signalling circuit |
| **Connections - terminals** | Control circuit: lugs-ring terminals - external diameter: 8 mm<br>Power circuit: lugs-ring terminals - external diameter: 8 mm |
| **Tightening torque** | Control circuit: 1.7 N.m - on lugs-ring terminals - with screwdriver flat Ø 6 mm M3.5<br>Control circuit: 1.7 N.m - on lugs-ring terminals - with screwdriver Philips No 2 M3.5<br>Power circuit: 1.7 N.m - on lugs-ring terminals - with screwdriver Philips No 2 M3.5<br>Power circuit: 1.7 N.m - on lugs-ring terminals - with screwdriver flat Ø 6 mm M3.5<br>Control circuit: 1.7 N.m - on lugs-ring terminals - with screwdriver pozidriv No 2 M3.5<br>Power circuit: 1.7 N.m - on lugs-ring terminals - with screwdriver pozidriv No 2 M3.5 |
| **Mounting support** | Rail<br>Plate |
| **Electrical durability** | 0.6 Mcycles 25 A AC-1 at Ue <= 440 V |
| **Mechanical durability** | 30 Mcycles |
| **Safety reliability level** | 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 |
| **Operating altitude** | 0...3000 m |
| **Compatibility code** | LC1D |
| **Standards** | EN/IEC 60947-4-1<br>EN/IEC 60947-5-1<br>EN 45545: R22 HL3<br>EN 45545: R26 HL3<br>DIN 5510-2 |
| **Product certifications** | IEC<br>CCC<br>EAC<br>UA<br>TR<br>UKCA |

# Environment

| | |
|---|---|
| **Climatic withstand** | conforming to IACS E10<br>conforming to IEC 60947-1 Annex Q category D |
| **Ambient air temperature for storage** | -60…80 °C |
| **Fire resistance** | 850 °C conforming to IEC 60695-2-1 |
| **Height** | 85 mm |
| **Width** | 45 mm |
| **Depth** | 99 mm |

| | |
|---|---|
| **Net weight** | 0.365 kg |
| **Mechanical robustness** | Vibrations contactor open (2 Gn, 5...300 Hz)<br>Vibrations contactor closed (4 Gn, 5...300 Hz)<br>Shocks contactor open (10 Gn for 11 ms)<br>Shocks contactor closed (15 Gn for 11 ms) |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 8.48 cm |
| **Package 1 Width** | 4.5 cm |
| **Package 1 Length** | 9.2 cm |
| **Package 1 Weight** | 355.0 g |

## Contractual warranty

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|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **27 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **2 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0.7 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **23 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.9 kg CO2 eq.** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| SCIP Number | **4be95b29-a1a6-4998-9661-e1893f5e4a16** |
| EU RoHS Directive | **Compliant By Exemption** |
| REACh Regulation | **Reference contains Substances of Very High Concern above the threshold** |
| PVC free | **Yes** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **73** |
| End of life manual availability | **No need of specific recycling operations** |
| Take-back | **No** |
| WEEE Label | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins** |

Offer Marketing Illustration

**Product benefits / Features**

Offer Marketing Illustration

**Product benefits / Features**

Offer Marketing Illustration

**Product benefits / Features**