

Product datasheet

Specifications



Changeover Contactor, TeSys Deca, 4P(4NO), AC-1, $\leq 440\text{V}$, 25A, 230V AC 50/60Hz coil, screw clamp terminals

LC2DT25P7

Main

Range	TeSys TeSys Deca
Product Name	TeSys D TeSys Deca
Product Or Component Type	Changeover contactor
Device Short Name	LC2D
Contactor Application	Resistive load
Utilisation Category	AC-1
Device Presentation	Preassembled, with prewired power connections
Poles Description	4P
Power Pole Contact Composition	4 NO
[Ue] Rated Operational Voltage	Power circuit: $\leq 690\text{ V AC } 25\dots 400\text{ Hz}$ Power circuit: $\leq 300\text{ V DC}$
[Ie] Rated Operational Current	25 A (at $\leq 60\text{ }^\circ\text{C}$) at $\leq 440\text{ V AC AC-1}$ for power circuit
Control Circuit Type	AC at 50/60 Hz
[Uc] Control Circuit Voltage	230 V AC 50/60 Hz
Auxiliary Contact Composition	1 NO + 1 NC
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947
Overvoltage Category	III
[Ith] Conventional Free Air Thermal Current	10 A (at $60\text{ }^\circ\text{C}$) for signalling circuit 25 A (at $60\text{ }^\circ\text{C}$) for power circuit
Irms Rated Making Capacity	250 A at 440 V 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	250 A at 440 V for power circuit conforming to IEC 60947
[Icw] Rated Short-Time Withstand Current	30 A $40\text{ }^\circ\text{C}$ - 10 min for power circuit 61 A $40\text{ }^\circ\text{C}$ - 1 min for power circuit 105 A $40\text{ }^\circ\text{C}$ - 10 s for power circuit 210 A $40\text{ }^\circ\text{C}$ - 1 s 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 40 A gG at $\leq 690\text{ V}$ coordination type 1 for power circuit 25 A gG at $\leq 690\text{ V}$ coordination type 2 for power circuit
Average Impedance	2.5 mOhm - Ith 25 A 50 Hz for power circuit

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

[Ui] Rated Insulation Voltage	Power circuit: 690 V conforming to IEC 60947-4-1 Power circuit: 600 V CSA certified Power circuit: 600 V UL certified Signalling circuit: 690 V conforming to IEC 60947-1 Signalling circuit: 600 V CSA certified Signalling circuit: 600 V UL certified
Electrical Durability	0.8 Mcycles 25 A AC-1 at Ue ≤ 690 V
Power Dissipation Per Pole	1.56 W AC-1
Front Cover	With
Interlocking Type	Mechanical
Mounting Support	Rail Plate
Standards	CSA C22.2 No 60947-4-1 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1 CSA C22.2 No 60947-5-1 GB/T 14048.4
Product Certifications	UL CSA RINA GOST CCC DNV LROS (Lloyds register of shipping) GL BV UKCA CB
Connections - Terminals	Power circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 1...4 mm ² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 1...4 mm ² solid Power circuit: screw clamp terminals 2 cable(s) 1...4 mm ² solid Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² solid Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² solid
Tightening Torque	Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Power circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver pozidriv No 2 Power circuit: 2.5 N.m - on screw clamp terminals - with screwdriver pozidriv No 2
Operating Time	12...22 ms closing 4...19 ms opening
Safety Reliability Level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Mechanical Durability	15 Mcycles
Maximum Operating Rate	3600 cyc/h 60 °C

Complementary

Coil Technology	Without built-in suppressor module
Control Circuit Voltage Limits	0.3...0.6 U _c (-40...60 °C):drop-out AC 50/60 Hz 0.8...1.1 U _c (-40...60 °C):operational AC 50 Hz 0.85...1.1 U _c (-40...60 °C):operational AC 60 Hz

Inrush Power In Va	70 VA 60 Hz cos phi 0.75 (at 20 °C) 70 VA 50 Hz cos phi 0.75 (at 20 °C)
Hold-In Power Consumption In Va	7.5 VA 60 Hz cos phi 0.3 (at 20 °C) 7 VA 50 Hz cos phi 0.3 (at 20 °C)
Heat Dissipation	2...3 W at 50/60 Hz
Auxiliary Contacts Type	type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 type mirror contact 1 NC conforming to IEC 60947-4-1
Signalling Circuit Frequency	25...400 Hz
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 1.5 ms on energisation between NC and NO contact
Insulation Resistance	> 10 MOhm for signalling circuit

Environment

Ip Degree Of Protection	IP20 front face conforming to IEC 60529
Climatic Withstand	conforming to IACS E10 conforming to IEC 60947-1 Annex Q category D
Protective Treatment	TH conforming to IEC 60068-2-30
Pollution Degree	3
Ambient Air Temperature For Operation	-40...60 °C 60...70 °C with derating
Ambient Air Temperature For Storage	-60...80 °C
Operating Altitude	0...3000 m
Fire Resistance	850 °C conforming to IEC 60695-2-1
Flame Retardance	V1 conforming to UL 94
Mechanical Robustness	Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 4 Gn, 5...300 Hz Shocks contactor open: 10 Gn for 11 ms Shocks contactor closed: 15 Gn for 11 ms
Height	85 mm
Width	90 mm
Depth	90 mm
Net Weight	0.73 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	11.500 cm
Package 1 Width	11.500 cm
Package 1 Length	14.200 cm
Package 1 Weight	850.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	5
Package 2 Height	15.000 cm

Package 2 Width	30.000 cm
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Package 2 Length	40.000 cm
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Package 2 Weight	4.578 kg
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Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class 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](#)