

# Product data sheet

Specifications



IEC contactor, TeSys Deca, nonreversing, 200A resistive, 4 pole, 4 NO, 240VAC 50/60Hz coil, open style

LC1D115004U7

Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 673.00 USD

## Main

Range	TeSys
Range Of Product	TeSys Deca
Product Or Component Type	Contactor
Device Short Name	LC1D
Contactor Application	Resistive load
Utilisation Category	AC-1 AC-3 AC-3e AC-4
Poles Description	4P
[Ue] Rated Operational Voltage	Power circuit $\leq 1000$ V AC 25...400 Hz Power circuit $\leq 460$ V DC
[Ie] Rated Operational Current	200 A (at $\leq 140$ °F (60 °C)) at $\leq 440$ V AC AC-1 for power circuit
[Uc] Control Circuit Voltage	240 V AC 50/60 Hz

## Complementary

Compatibility Code	LC1D
Pole Contact Composition	4 NO
Protective Cover	With
[Ith] Conventional Free Air Thermal Current	200 A (at 140 °F (60 °C)) for power circuit
Irms Rated Making Capacity	1260 A at 440 V for power circuit conforming to IEC 60947
Rated Breaking Capacity	1100 A at 440 V for power circuit conforming to IEC 60947
[Icw] Rated Short-Time Withstand Current	250 A 104 °F (40 °C) - 10 min for power circuit 550 A 104 °F (40 °C) - 1 min for power circuit 950 A 104 °F (40 °C) - 10 s for power circuit 1100 A 104 °F (40 °C) - 1 s for power circuit
Associated Fuse Rating	250 A gG at $\leq 690$ V coordination type 1 for power circuit 200 A gG at $\leq 690$ V coordination type 2 for power circuit
Average Impedance	0.6 mOhm - Ith 200 A 50 Hz for power circuit
Power Dissipation Per Pole	24 W AC-1
[Ui] Rated Insulation Voltage	Power circuit 600 V CSA Power circuit 600 V UL Power circuit 1000 V IEC 60947-4-1

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Overvoltage Category</b>	III
<b>Pollution Degree</b>	3
<b>[Uimp] Rated Impulse Withstand Voltage</b>	8 kV IEC 60947
<b>Safety Reliability Level</b>	B10d = 684932 cycles contactor with nominal load EN/ISO 13849-1 B10d = 10000000 cycles contactor with mechanical load EN/ISO 13849-1
<b>Mechanical Durability</b>	8 Mcycles
<b>Electrical Durability</b>	0.8 Mcycles 200 A AC-1 <= 440 V
<b>Control Circuit Type</b>	AC 50/60 Hz
<b>Coil Technology</b>	Built-in bidirectional peak limiting diode suppressor
<b>Control Circuit Voltage Limits</b>	0.3...0.5 U <sub>c</sub> -40...158 °F (-40...70 °C) drop-out AC 50/60 Hz 0.8...1.15 U <sub>c</sub> -40...131 °F (-40...55 °C) operational AC 50/60 Hz 1...1.15 U <sub>c</sub> 131...158 °F (55...70 °C) operational AC 50/60 Hz
<b>Inrush Power In Va</b>	280...350 VA 60 Hz cos phi 0.8 (at 68 °F (20 °C)) 280...350 VA 50 Hz cos phi 0.8 (at 68 °F (20 °C))
<b>Hold-In Power Consumption In Va</b>	2...18 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C)) 2...18 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C))
<b>Heat Dissipation</b>	3...8 W at 50/60 Hz
<b>Operating Time</b>	6...20 ms opening 20...50 ms closing
<b>Maximum Operating Rate</b>	2400 cyc/h 140 °F (60 °C)
<b>Connections - Terminals</b>	Control circuit: screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (1...2.5 mm <sup>2</sup> ) - cable stiffness: solid without cable end Power circuit: connector 1 0.02...0.19 in <sup>2</sup> (10...120 mm <sup>2</sup> ) - cable stiffness: flexible without cable end Power circuit: connector 2 0.02...0.08 in <sup>2</sup> (10...50 mm <sup>2</sup> ) - cable stiffness: flexible without cable end Power circuit: connector 1 0.02...0.19 in <sup>2</sup> (10...120 mm <sup>2</sup> ) - cable stiffness: flexible with cable end Power circuit: connector 2 0.02...0.08 in <sup>2</sup> (10...50 mm <sup>2</sup> ) - cable stiffness: flexible with cable end Power circuit: connector 1 0.02...0.19 in <sup>2</sup> (10...120 mm <sup>2</sup> ) - cable stiffness: solid without cable end Power circuit: connector 2 0.02...0.08 in <sup>2</sup> (10...50 mm <sup>2</sup> ) - cable stiffness: solid without cable end
<b>Tightening Torque</b>	Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals flat Ø 6 mm Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals Philips No 2 Power circuit 106.21 lbf.in (12 N.m) connector hexagonal 0.16 in (4 mm) Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals pozidriv No 2
<b>Mounting Support</b>	Plate Rail

## Environment

<b>Standards</b>	CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
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<b>Product Certifications</b>	UL CSA GOST RINA BV GL LROS (Lloyds register of shipping) DNV CCC UKCA
<b>Ip Degree Of Protection</b>	IP20 front face IEC 60529
<b>Protective Treatment</b>	THIEC 60068-2-30
<b>Climatic Withstand</b>	IACS E10 exposure to damp heat IEC 60947-1 Annex Q category D exposure to damp heat
<b>Permissible Ambient Air Temperature Around The Device</b>	-40...140 °F (-40...60 °C) 140...158 °F (60...70 °C) with derating
<b>Operating Altitude</b>	0...9842.52 ft (0...3000 m)
<b>Fire Resistance</b>	1562 °F (850 °C) IEC 60695-2-1
<b>Flame Retardance</b>	V1 conforming to UL 94
<b>Mechanical Robustness</b>	Vibrations contactor open 2 Gn, 5...300 Hz) Vibrations contactor closed 4 Gn, 5...300 Hz) Shocks contactor closed 15 Gn for 11 ms) Shocks contactor open 6 Gn for 11 ms)
<b>Height</b>	6.22 in (158 mm)
<b>Width</b>	5.91 in (150 mm)
<b>Depth</b>	5.20 in (132 mm)
<b>Net Weight</b>	6.31 lb(US) (2.86 kg)

## Ordering and shipping details

<b>Category</b>	US10I1222359
<b>Discount Schedule</b>	0112
<b>Gtin</b>	3389110051797
<b>Returnability</b>	No
<b>Country Of Origin</b>	CZ

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	7.48 in (19.000 cm)
<b>Package 1 Width</b>	8.11 in (20.600 cm)
<b>Package 1 Length</b>	8.23 in (20.900 cm)
<b>Package 1 Weight</b>	6.53 lb(US) (2.960 kg)
<b>Unit Type Of Package 2</b>	S04
<b>Number Of Units In Package 2</b>	4
<b>Package 2 Height</b>	11.81 in (30.000 cm)
<b>Package 2 Width</b>	15.75 in (40.000 cm)
<b>Package 2 Length</b>	23.62 in (60.000 cm)
<b>Package 2 Weight</b>	27.21 lb(US) (12.340 kg)

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<b>Unit Type Of Package 3</b>	P06
<b>Number Of Units In Package 3</b>	16
<b>Package 3 Height</b>	29.53 in (75.000 cm)
<b>Package 3 Width</b>	31.50 in (80.000 cm)
<b>Package 3 Length</b>	23.62 in (60.000 cm)
<b>Package 3 Weight</b>	120.20 lb(US) (54.520 kg)

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## **Contractual warranty**

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**Warranty** 18 months

## 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-CO<sub>2</sub> 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

 Mercury Free

 Rohs Exemption Information Yes

 Pvc Free

## Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant with Exemptions

China Rohs Regulation

[China RoHS declaration](#)

Product out of China RoHS scope. Substance declaration for your information.

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](#)

California Proposition 65

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](http://www.P65Warnings.ca.gov)