



# TeSys Deca contactor , 4P(4 NO) , AC-1 , <= 440V, 60 A , 24V DC standard coil

LC1DT60A6BD

Discontinued on: Jul 12, 2021

#### (!) Discontinued

#### 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	
poles description	4P	
[Ue] rated operational voltage	Power circuit <= 690 V AC 25400 Hz Power circuit <= 300 V DC	
[le] rated operational current	60 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit	
[Uc] control circuit voltage	24 V DC	

## Complementary

Compatibility code	LC1D	
Pole contact composition	4 NO	
Protective cover	With	
[Ith] conventional free air thermal current	10 A (at 140 °F (60 °C)) for signalling circuit 60 A (at 140 °F (60 °C)) for power circuit	
Irms rated making capacity	140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1 800 A at 440 V for power circuit conforming to IEC 60947	
Rated breaking capacity	800 A at 440 V for power circuit conforming to IEC 60947	
[lcw] rated short-time withstand current	320 A 104 °F (40 °C) - 10 s for power circuit 720 A 104 °F (40 °C) - 1 s for power circuit 72 A 104 °F (40 °C) - 10 min for power circuit 165 A 104 °F (40 °C) - 1 min 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 80 A gG at <= 690 V coordination type 1 for power circuit 80 A gG at <= 690 V coordination type 2 for power circuit	
Average impedance	1.6 mOhm - Ith 60 A 50 Hz for power circuit	
Power dissipation per pole	5.8 W AC-1	

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

[Ui] rated insulation voltage	Power circuit 600 V CSA Power circuit 600 V UL Signalling circuit 690 V IEC 60947-1 Signalling circuit 600 V CSA Signalling circuit 600 V UL Power circuit 690 V IEC 60947-4-1
Overvoltage category	III
Pollution degree	3
[Uimp] rated impulse withstand voltage	6 kV IEC 60947
Safety reliability level	B10d = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load EN/ISO 13849-1
Mechanical durability	10 Mcycles
Electrical durability	0.7 Mcycles 60 A AC-1 <= 440 V
Control circuit type	DC standard
Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.10.3 Uc -40158 °F (-4070 °C) drop-out DC 0.751.25 Uc -40140 °F (-4060 °C) operational DC 11.25 Uc 140158 °F (6070 °C) operational DC
Inrush power in W	19 W 68 °F (20 °C))
Hold-in power consumption in W	7.4 W 68 °F (20 °C)
Operating time	50 ±15 % ms closing 1624 ms opening
Time constant	34 ms
Maximum operating rate	3600 cyc/h 140 °F (60 °C)
Connections - terminals	Control circuit: lugs-ring terminals - external diameter: 0.3 in (8 mm) Power circuit: lugs-ring terminals - external diameter: 0.6 in (16.5 mm)
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) EverLink BTR screw connectors flat Ø 6 mm M3.5 Control circuit 15.05 lbf.in (1.7 N.m) EverLink BTR screw connectors Philips No 2 M3.5 Power circuit 53.1 lbf.in (6 N.m) EverLink BTR screw connectors M6
Auxiliary contact composition	1 NO + 1 NC
Auxiliary contacts type	Mechanically linked 1 NO + 1 NC IEC 60947-5-1 Mirror contact 1 NC IEC 60947-4-1
Signalling circuit frequency	25400 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 1.5 ms on energisation between NC and NO contact
Mounting Support	Rail Plate
Environment	
Standards	CSA C22.2 No 14 EN 60947-4-1

EN 60947-4-1 EN 60947-5-1

IEC 60947-4-1 IEC 60947-5-1 UL 508

Product Certifications	GOST UL CCC CSA RINA BV LROS (Lloyds register of shipping) DNV
	GL
IP degree of protection	IP20 front face IEC 60529
Protective treatment	THIEC 60068-2-30
Climatic withstand	IACS E10 exposure to damp heat IEC 60947-1 Annex Q category D exposure to damp heat
Permissible ambient air temperature around the device	-40140 °F (-4060 °C) 140158 °F (6070 °C) with derating
Operating altitude	09842.52 ft (03000 m)
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Vibrations contactor open 2 Gn, 5300 Hz) Vibrations contactor closed 4 Gn, 5300 Hz) Shocks contactor closed 15 Gn for 11 ms) Shocks contactor open 10 Gn for 11 ms)
Height	4.8 in (122 mm)
Width	2.8 in (70 mm)
Depth	4.7 in (120 mm)
Net Weight	2.568 lb(US) (1.165 kg)

## Ordering and shipping details

Category	22358-CTR,TESYS D,OPEN,40-65A DC	
Discount Schedule	l12	
GTIN	3389118330009	
Returnability	No	
Country of origin	FR	

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.0 in (7.5 cm)
Package 1 Width	5.5 in (14 cm)
Package 1 Length	5.9 in (15 cm)
Package 1 Weight	2.4 lb(US) (1.1 kg)

## **Contractual warranty**

Warranty 18 months

## Sustainability Green Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass 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.

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

### Well-being performance

<b>Ø</b>	Reach Free Of Svhc
<b>⊘</b>	Toxic Heavy Metal Free
<b>⊘</b>	Mercury Free
<b>⊘</b>	Rohs Exemption Information Yes
<b>Ø</b>	Pvc Free

#### **Certifications & Standards**

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
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