



REVERSING CONTACTOR 575VAC 40A IEC

LC2DT40GD

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

Price*: 601.45 USD

Main

Range	TeSys TeSys Deca
Product name	TeSys Deca
Product or Component Type	TeSys Deca
Product or Component Type	Changeover contactor
Device short name	LC2D
contactor application	Resistive load
Utilisation category	AC-1 AC-3 AC-3e AC-4
Device presentation	Preassembled with reversing power busbar
poles description	4P
power pole contact composition	4 NO
[Ue] rated operational voltage	Power circuit <= 690 V AC 25400 Hz Power circuit <= 300 V DC
[le] rated operational current	40 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit
Control circuit type	DC standard
[Uc] control circuit voltage	125 V DC
Auxiliary contact composition	1 NO + 1 NC
[Uimp] rated impulse withstand voltage	6 kV IEC 60947
Overvoltage category	III
[lth] conventional free air thermal current	10 A (at 140 °F (60 °C)) for signalling circuit 40 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 60947-5-1 450 A at 440 V for power circuit conforming to IEC 60947
Rated breaking capacity	450 A at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	50 A 104 °F (40 °C) - 10 min for power circuit 120 A 104 °F (40 °C) - 1 min for power circuit 240 A 104 °F (40 °C) - 10 s for power circuit 380 A 104 °F (40 °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 63 A gG at <= 690 V coordination type 1 for power circuit 40 A gG at <= 690 V coordination type 2 for power circuit
Average impedance	2 mOhm - Ith 40 A 50 Hz for power circuit

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 690 V IEC 60947-4-1
	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
Electrical durability	1.4 Mcycles 40 A AC-1 <= 440 V
Power dissipation per pole	3.2 W AC-1
Front cover	With
Interlocking type	Mechanical
Mounting Support	Rail Plate
Standards	CSA C22.2 No 14
	EN 60947-4-1
	EN 60947-5-1 IEC 60947-4-1
	IEC 60947-5-1
	UL 508
	IEC 60335-1
Product certifications	UL
	CSA
	CCC EAC
	UKCA
	CB
	EU-RO-MR by DNV-GL
Connections - terminals	Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible without
	cable end Control circuit screw clamp terminals 2 0.0020.006 in² (14 mm²)flexible without
	cable end Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)flexible with
	cable end Control circuit screw clamp terminals 2 0.0020.004 in ² (12.5 mm ²)flexible with
	cable end
	Control circuit screw clamp terminals 1 0.0020.006 in² (14 mm²)solid without cable end
	Control circuit screw clamp terminals 2 0.0020.006 in ² (14 mm ²)solid without cable end
	Power circuit connector 1 0.0040.02 in² (2.510 mm²)flexible without cable end
	Power circuit connector 2 0.0040.02 in² (2.510 mm²)flexible without cable end
	Power circuit connector 1 0.0040.02 in² (2.510 mm²)flexible with cable end
	Power circuit connector 2 0.0040.02 in² (2.510 mm²)flexible with cable end
	Power circuit connector 1 0.0040.02 in ² (2.516 mm ²)solid without cable end Power circuit connector 2 0.0040.02 in ² (2.516 mm ²)solid without cable end
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals flat Ø 6 mm
	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Philips No 2
	Power circuit 15.05 lbf.in (1.7 N.m) connector flat Ø 6 mm
	Power circuit 15.05 lbf.in (1.7 N.m) connector Philips No 2
	Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals pozidriv No 2 Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals pozidriv No 2
Operating time	53.5572.45 ms closing 1624 ms opening
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	30 Mcycles
Maximum operating rate	3600 cyc/h 140 °F (60 °C)
Complementary	
Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.10.25 Uc -40140 °F (-4060 °C) drop-out DC 0.71.25 Uc -40140 °F (-4060 °C) operational DC
Time constant	28 ms

Inrush power in W	5.4 W 68 °F (20 °C)	
Hold-in power consumption in W	5.4 W 68 °F (20 °C)	
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 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 IEC 60529
Climatic withstand	IACS E10 IEC 60947-1 Annex Q category D
Protective treatment	TH IEC 60068-2-30
Pollution degree	3
Ambient air temperature for operation	-40140 °F (-4060 °C) 140158 °F (6070 °C) with derating
Ambient Air Temperature for Storage	-76176 °F (-6080 °C)
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 open2 Gn, 5300 Hz Vibrations contactor closed4 Gn, 5300 Hz Shocks contactor closed15 Gn for 11 ms Shocks contactor open8 Gn for 11 ms
Height	3.6 in (91 mm)
Width	3.5 in (90 mm)
Depth	3.9 in (98 mm)
Net Weight	1.87 lb(US) (0.85 kg)

Ordering and shipping details

Category	US10l1222355
Discount Schedule	0112
GTIN	3389110333107
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.57 in (9.08 cm)
Package 1 Width	3.5 in (9.0 cm)
Package 1 Length	3.92 in (9.95 cm)

Package 1 Weight 30.7 oz (870.0 g)

Contractual warranty

Warranty 18 months

Oct 11, 2024



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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

	Toxic Heavy Metal Free
②	Mercury Free
②	Rohs Exemption Information Yes
②	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
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