Product data sheet

Specifications





IEC contactor, TeSys D, nonreversing, 60A resistive, 4 pole, 4 NO, 120VAC 60Hz coil, open style

LC1D40004G6

Product availability: Stock - Normally stocked in distribution facility

Price*: 609.60 USD

Main

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 690 V AC 25400 Hz
[le] rated operational current	60 A (at <140.000000000 °F (60 °C)) at 440 V AC AC-1 for power circuit
[Uc] control circuit voltage	120 V AC 60 Hz

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 control circuit 40 A (at 140 °F (60 °C)) for power circuit
Irms rated making capacity	140 A AC for control circuit conforming to IEC 60947-5-1 800 A at 440 V AC for power circuit conforming to IEC 60947
Rated breaking capacity	800 kA at 440 V for power circuit conforming to IEC 60947
Associated fuse rating	10 A gG for control circuit conforming to IEC 60947-5-1 80 A at 690 V coordination type 1 for power circuit 80 A at 690 V coordination type 2 for power circuit
Average impedance	1.5 mOhm - Ith 60 A 50 Hz for power circuit
Power dissipation per pole	5.4 W AC-1 2.4 W AC-3
[Ui] rated insulation voltage	Control circuit 600 V CSA Control circuit 600 V UL Power circuit 600 V CSA Power circuit 600 V UL Control circuit 690 V IEC 60947-4-1 Power circuit 690 V IEC 60947-4-1
Overvoltage category	111

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

[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	15000000 cycles
Control circuit type	AC 60 Hz standard
Coil technology	Without built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.30.6 Uc 140 °F (60 °C) drop-out AC 50/60 Hz 0.851.1 Uc 140 °F (60 °C) operational AC 60 Hz
Inrush power in VA	140 VA cos phi 0.75 (at 68 °F (20 °C))
Heat dissipation	23 W at 50/60 Hz for control circuit
Operating time	1222 ms closing 419 ms opening
Maximum operating rate	3600 cyc/h 140 °F (60 °C)
Connections - terminals	Control circuit: screw clamp terminal 1 0.0020.006 in ² (14 mm ²) - cable stiffness: solid without cable end Control circuit: screw clamp terminal 2 0.0020.006 in ² (14 mm ²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminal 2 0.0020.006 in ² (14 mm ²) - cable stiffness: solid without cable end Power circuit: screw clamp terminal 1 0.0040.02 in ² (2.516 mm ²) - cable stiffness: solid without cable end Power circuit: screw clamp terminal 2 0.0040.02 in ² (2.516 mm ²) - cable stiffness: solid without cable end
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminal flat Ø 6 mm Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminal Philips No 2 Power circuit 44.3 lbf.in (5 N.m) screw clamp terminal flat Ø 6 mm hexagonal Power circuit 44.3 lbf.in (5 N.m) screw clamp terminal Philips No 2 hexagonal Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminal pozidriv No 2 Power circuit 44.3 lbf.in (5 N.m) screw clamp terminal pozidriv No 2
Auxiliary contacts type	Mechanically linked 1 NO + 1 NC IEC 60947-5-1 Mirror contact 1 NC IEC 60947-4-1
Minimum switching voltage	17 V for control circuit
Minimum switching current	5 mA for control circuit
Insulation resistance	> 10 MOhm for control circuit
Non-overlap time	1.5 ms on de-energisation between NC and NO contacts 1.5 ms on energisation between NC and NO contacts
Mounting Support	Plate Rail

Environment

Standards	CSA C22.2 No 14 EN/IEC 60947-5-1 UL 508 EN/IEC 60947-4-1
Product Certifications	CSA DNV GL UL CCC RINA LROS (Lloyds register of shipping) UKCA
IP degree of protection	IP2X VDE 0106
Protective treatment	THIEC 60068-2-30

Permissible ambient air temperature around the device	23140 °F (-560 °C) -40158 °F (-4070 °C) at Uc
Operating altitude	9842.52 ft (3000 m) without derating
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Shocks contactor open 8 Gn for 11 ms) Shocks contactor closed 10 Gn for 11 ms)
	Vibrations contactor opened 2 Gn, 5300 Hz) Vibrations contactor closed 4 Gn, 5300 Hz)

Ordering and shipping details

Category	US10I1222357
Discount Schedule	0112
GTIN	3389110069341
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.1 in (13.0 cm)
Package 1 Width	3.7 in (9.5 cm)
Package 1 Length	5.3 in (13.5 cm)
Package 1 Weight	3.157 lb(US) (1.432 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM 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-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

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	No need of specific recycling operations
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

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

