Product data sheet

Specifications





IEC contactor, TeSys Deca, nonreversing, 125A resistive, 4 pole, 2 NO and 2 NC, 120VAC 60Hz coil, open style

LC1D80008G6

Product availability: Stock - Normally stocked in distribution facility

Price*: 518.00 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	
Poles Description	4P	
[Ue] Rated Operational Voltage	Power circuit <= 300 V DC Power circuit <= 690 V AC 25400 Hz	
[le] Rated Operational Current	125 A (at <140 $^{\circ}$ F (60 $^{\circ}$ 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	2 NO + 2 NC	
Protective Cover	Without	
[Ith] Conventional Free Air Thermal Current	125 A (at 140 °F (60 °C)) for power circuit	
Irms Rated Making Capacity	1100 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	640 A 104 °F (40 °C) - 10 s for power circuit 990 A 104 °F (40 °C) - 1 s for power circuit 135 A 104 °F (40 °C) - 10 min for power circuit 320 A 104 °F (40 °C) - 1 min for power circuit	
Associated Fuse Rating	200 A gG at <= 690 V coordination type 1 for power circuit 160 A gG at <= 690 V coordination type 2 for power circuit	
Average Impedance	0.8 mOhm - Ith 125 A 50 Hz for power circuit	
Power Dissipation Per Pole	12.5 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	
Overvoltage Category	III	
Pollution Degree	3	
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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	8 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	0.8 Mcycles 125 A AC-1 <= 440 V
Control Circuit Type	AC 60 Hz
Coil Technology	Without built-in suppressor module
Control Circuit Voltage Limits	0.851.1 Uc -40131 °F (-4055 °C) operational AC 60 Hz 0.30.6 Uc -40158 °F (-4070 °C) drop-out AC 60 Hz 11.1 Uc 131158 °F (5570 °C) operational AC 60 Hz
Inrush Power In Va	220 VA 60 Hz cos phi 0.75 (at 68 °F (20 °C))
Hold-In Power Consumption In Va	22 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C))
Heat Dissipation	610 W at 60 Hz
Operating Time	2035 ms closing 620 ms opening
Maximum Operating Rate	3600 cyc/h 140 °F (60 °C)
Connections - Terminals	Control circuit: screw clamp terminals 2 0.000.00 in ² (12.5 mm ²) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 0.000.00 in ² (12.5 mm ²) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 0.000.01 in ² (14 mm ²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 0.000.01 in ² (14 mm ²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 0.000.01 in ² (14 mm ²) - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 0.000.01 in ² (14 mm ²) - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 0.000.01 in ² (14 mm ²) - cable stiffness: solid without cable end Power circuit: connector 1 0.010.08 in ² (450 mm ²) - cable stiffness: flexible without cable end Power circuit: connector 2 0.010.04 in ² (450 mm ²) - cable stiffness: flexible without cable end Power circuit: connector 2 0.010.02 in ² (450 mm ²) - cable stiffness: flexible with cable end Power circuit: connector 2 0.010.02 in ² (450 mm ²) - cable stiffness: flexible with cable end Power circuit: connector 1 0.010.08 in ² (450 mm ²) - cable stiffness: solid without cable end Power circuit: connector 1 0.010.08 in ² (450 mm ²) - cable stiffness: solid without cable end Power circuit: connector 2 0.010.04 in ² (450 mm ²) - cable stiffness: solid without cable end Power circuit: connector 1 0.010.08 in ² (450 mm ²) - cable stiffness: solid without cable end Power circuit: connector 2 0.010.04 in ² (425 mm ²) - cable stiffness: solid without cable end Power circuit: connector 2 0.010.04 in ² (425 mm ²) - cable stiffness: solid without cable end
Tightening Torque	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 flat Ø 6 to Ø 8 mm 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
Mounting Support	Plate Rail

Environment

Standards

CSA C22.2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508

Product Certifications	BV CSA GOST LROS (Lloyds register of shipping) GL RINA UL DNV	
Ip Degree Of Protection	CCC IP20 front face IEC 60529	
Protective Treatment	THIEC 60068-2-30	
Climatic Withstand	IACS E10 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) Shocks contactor open 8 Gn for 11 ms) Vibrations contactor closed 3 Gn, 5300 Hz) Shocks contactor closed 10 Gn for 11 ms)	
Height	5.00 in (127 mm)	
Width	3.78 in (96 mm)	
Depth	5.51 in (140 mm)	
Net Weight	4.06 lb(US) (1.84 kg)	

Ordering and shipping details

Category	US10I1222359	
Discount Schedule	0 12	
Gtin	3389110075151	
Returnability	Yes	
Country Of Origin	CZ	

Packing Units

Unit Type Of Package 1	PCE	
Number Of Units In Package 1	1	
Package 1 Height	4.33 in (11.0 cm)	
Package 1 Width	6.30 in (16.0 cm)	
Package 1 Length	6.42 in (16.3 cm)	
Package 1 Weight	3.97 lb(US) (1.8 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
 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	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