Product data sheet

Specifications





IEC contactor, TeSys Deca, nonreversing, 9A, 5HP at 480VAC, up to 100kA SCCR, 3 phase, 3 NO, 125VDC coil, open style

LC1D09GD

Product availability: Stock - Normally stocked in distribution facility

Price*: 119.00 USD

Main

mann	
Range Of Product	TeSys Deca
Product Or Component Type	Contactor
Device Short Name	LC1D
Contactor Application	Resistive load Motor control
Utilisation Category	AC-1 AC-4 AC-3 AC-3e
Poles Description	3P
[Ue] Rated Operational Voltage	Power circuit <= 690 V AC 25400 Hz Power circuit <= 300 V DC
[le] Rated Operational Current	9 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit 25 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit 9 A (at <140 °F (60 °C)) at <= 440 V AC AC-3e for power circuit
[Uc] Control Circuit Voltage	125 V DC

Complementary

C 50/60 Hz (AC-3) 50/60 Hz (AC-3) 50/60 Hz (AC-3) 50 Hz (AC-3) C 50/60 Hz (AC-3)
50/60 Hz (AC-3) 60 Hz (AC-3)
60 Hz (AC-3)
C 30/00 T12 (AC-3)
60 Hz (AC-4)
C 50/60 Hz (AC-3e)
50/60 Hz (AC-3e)
50/60 Hz (AC-3e)
60 Hz (AC-3e)
C 50/60 Hz (AC-3e)
0/60 Hz for 1 phase motors
0/60 Hz for 3 phase motors
0/60 Hz for 3 phase motors
0/60 Hz for 3 phase motors
50/60 Hz for 3 phase motors
60 Hz for 1 phase motors
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.

Irms Rated Making Capacity	250 A at 440 V for power circuit conforming to IEC 60947
	140 A AC for signalling circuit conforming to IEC 60947-5-1
	250 A DC for signalling circuit conforming to IEC 60947-5-1
Rated Breaking Capacity	250 A at 440 V for power circuit conforming to IEC 60947
[Icw] Rated Short-Time Withstand Current	105 A 104 °F (40 °C) - 10 s for power circuit
ourient	210 A 104 °F (40 °C) - 1 s for power circuit
	$30 \text{ A} 104 ^{\circ}\text{F} (40 ^{\circ}\text{C}) - 10 \text{ min for power circuit}$
	61 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
	25 A gG at <= 690 V coordination type 1 for power circuit
	20 A gG at <= 690 V coordination type 2 for power circuit
Average Impedance	2.5 mOhm - Ith 25 A 50 Hz for power circuit
Power Dissipation Per Pole	1.56 W AC-1
·	0.2 W AC-3
	0.2 W AC-3e
[11] Potod Inculation Voltage	
[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
Overvoltage Category	III
Pollution Degree	3
[Uimp] Rated Impulse Withstand Voltage	6 kV IEC 60947
	P104 - 1260062 surles contests with naminal load EN//60 12040 1
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
Electrical Durability	0.6 Mcycles 25 A AC-1 <= 440 V
2	2 Mcycles 9 A AC-3 <= 440 V
	2 Mcycles 9 A AC-3e <= 440 V
Control Circuit Type	DC standard
Coil Technology	Built-in bidirectional peak limiting diode suppressor
Control Circuit Voltage Limits	0.10.25 Uc -40158 °F (-4070 °C) drop-out DC
	0.71.25 Uc -40140 °F (-4060 °C) operational DC
	11.25 Uc 140158 °F (6070 °C) operational DC
Inrush Power In W	5.4 W 68 °F (20 °C))
Hold-In Power Consumption In W	5.4 W 68 °F (20 °C)
Operating Time	63 ±15 % ms closing
	20 ±20 % ms opening
Time Constant	28 ms
Maximum Operating Rate	3600 cyc/h 140 °F (60 °C)

Power circuit: screw clamp terminals 1 0.000.01 in ² (14 mm ²) - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 2 0.000.01 in ² (14 mm ²) - cable stiffness: flexible without cable end Power circuit: screw clamp terminals 1 0.000.01 in ² (14 mm ²) - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 0.000.00 in ² (12.5 mm ²) - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 0.000.01 in ² (14 mm ²) - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 0.000.01 in ² (14 mm ²) - cable stiffness: solid without cable end
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Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals flat Ø 6 mm
Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals Philips No 2
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 Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals pozidriv No 2
Power circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals pozidriv No 2
1 NO + 1 NC
Mechanically linked 1 NO + 1 NC IEC 60947-5-1 Mirror contact 1 NC IEC 60947-4-1
25400 Hz
17 V for signalling circuit
5 mA for signalling circuit
> 10 MOhm for signalling circuit
1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact

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 IEC 60335-1
Product Certifications	GL BV DNV LROS (Lloyds register of shipping) RINA UL CCC CSA GOST UKCA CB
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) Shocks contactor open 10 Gn for 11 ms) Shocks contactor closed 4 Gn for 11 ms)	
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Mechanical Robustness Vibrations contactor open 2 Gn, 5300 Hz) Vibrations contactor closed 4 Gn, 5300 Hz) Shocks contactor open 10 Gn for 11 ms)	
Vibrations contactor closed 4 Gn, 5300 Hz) Shocks contactor open 10 Gn for 11 ms)	
Height 3.03 in (77 mm)	
Width 1.77 in (45 mm)	
Depth 3.74 in (95 mm)	
Net Weight 1.06 lb(US) (0.48 kg)	

Ordering and shipping details

Category	US10I1222355
Discount Schedule	0112
Gtin	3389110353198
Returnability	Yes
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.09 in (5.3 cm)
Package 1 Width	3.62 in (9.2 cm)
Package 1 Length	4.53 in (11.5 cm)
Package 1 Weight	17.50 oz (496 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	15
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	17.11 lb(US) (7.76 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

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
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