Product data sheet

Specification





IEC contactor, TeSys Deca, nonreversing, 60A resistive, 4 pole, 2 NO and 2 NC, 110VAC 50/60Hz coil, open style

LC1D40008F7

Product availability: Stock - Normally stocked in distribution facility

Price*: 496.80 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	Rated Operational Voltage Power circuit <= 690 V AC 25400 Hz Power circuit <= 300 V DC	
[le] Rated Operational Current	perational Current 60 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit	
[Uc] Control Circuit Voltage	110 V AC 50/60 Hz	

Complementary

Compatibility Code	LC1D
Pole Contact Composition	2 NO + 2 NC
Protective Cover	Without
[Ith] Conventional Free Air Thermal Current	60 A (at 140 °F (60 °C)) for power circuit
Irms Rated Making Capacity	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
[Icw] 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
Associated Fuse Rating	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	1.5 mOhm - Ith 60 A 50 Hz for power circuit
Power Dissipation Per Pole	5.4 W AC-1
[Ui] Rated Insulation Voltage	Power circuit 600 V CSA Power circuit 600 V UL Power circuit 690 V IEC 60947-4-1
Overvoltage Category	III
Pollution Degree	3

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	6 Mcycles	
Electrical Durability	1.4 Mcycles 60 A AC-1 <= 440 V	
Control Circuit Type	AC 50/60 Hz	
Coil Technology	Without built-in suppressor module	
Control Circuit Voltage Limits	0.30.6 Uc -40158 °F (-4070 °C) drop-out AC 50/60 Hz 0.81.1 Uc -40140 °F (-4060 °C) operational AC 50 Hz 0.851.1 Uc -40140 °F (-4060 °C) operational AC 60 Hz 11.1 Uc 140158 °F (6070 °C) operational AC 50/60 Hz	
Inrush Power In Va	140 VA 60 Hz cos phi 0.75 (at 68 °F (20 °C)) 160 VA 50 Hz cos phi 0.75 (at 68 °F (20 °C))	
Hold-In Power Consumption In Va	13 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C)) 15 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C))	
Heat Dissipation 45 W at 50/60 Hz		
Operating Time	419 ms opening 1226 ms closing	
Maximum Operating Rate	3600 cyc/h 140 °F (60 °C)	
Connections - Terminals	Control circuit: screw clamp terminals 2 0.000.00 in² (12.5 mm²) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 0.000.01 in² (14 mm²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 0.000.01 in² (14 mm²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 0.000.01 in² (14 mm²) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 0.000.01 in² (14 mm²) - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 0.000.01 in² (14 mm²) - cable stiffness: solid without cable end Control circuit: screw connection 1 0.000.05 in² (135 mm²) - cable stiffness: flexible without cable end Power circuit: screw connection 2 0.000.04 in² (125 mm²) - cable stiffness: flexible with cable end Power circuit: screw connection 2 0.000.05 in² (135 mm²) - cable stiffness: flexible with cable end Power circuit: screw connection 2 0.000.04 in² (125 mm²) - cable stiffness: flexible with cable end Power circuit: screw connection 1 0.000.05 in² (135 mm²) - cable stiffness: solid without cable end Power circuit: screw connection 2 0.000.04 in² (125 mm²) - cable stiffness: solid without cable end Power circuit: screw connection 2 0.000.04 in² (125 mm²) - cable stiffness: 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 70.81 lbf.in (8 N.m) screw clamp terminals 0.040.05 in² (2535 mm²) hexagonal 0.16 in (4 mm) Power circuit 44.25 lbf.in (5 N.m) screw clamp terminals 0.000.04 in² (125 mm²) hexagonal 0.16 in (4 mm) Control circuit 15.05 lbf.in (1.7 N.m) screw clamp terminals pozidriv No 2	
Mounting Support	Plate Rail	

Environment

Standards CSA C22.2 No 1

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	GL LROS (Lloyds register of shipping) GOST UL DNV RINA CSA CCC BV	
Ip Degree Of Protection	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	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)	
Height	5.00 in (127 mm)	
Width	3.35 in (85 mm)	
Depth	4.92 in (125 mm)	
Net Weight	3.17 lb(US) (1.44 kg)	

Ordering and shipping details

Category	US10I1222357	
Discount Schedule	0112	
Gtin	3389110231588	
Returnability	Yes	
Country Of Origin	US	

Packing Units

Unit Type Of Package 1	PCE	
Number Of Units In Package 1	1	
Package 1 Height	5.98 in (15.200 cm)	
Package 1 Width	4.41 in (11.200 cm)	
Package 1 Length	5.20 in (13.200 cm)	
Package 1 Weight	3.21 lb(US) (1.454 kg)	
Unit Type Of Package 2	S02	
Number Of Units In Package 2	5	
Package 2 Height	5.91 in (15.000 cm)	
Package 2 Width	e 2 Width 11.81 in (30.000 cm)	
Package 2 Length	2 Length 15.75 in (40.000 cm)	
Package 2 Weight 16.85 lb(US) (7.645 kg)		

Contractual warranty

Warranty

18 months



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Transparency RoHS/REACh

Well-being performance

②	Reach Free Of Svhc	
	Toxic Heavy Metal Free	
	Mercury Free	
②	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