

LC1D115004U7

IEC contactor, TeSys Deca, nonreversing,
200A resistive, 4 pole, 4 NO, 240VAC 50/60Hz
coil, open style



Main

Range	TeSys
Range of Product	TeSys Deca
Product or Component Type	Contactors
Device short name	LC1D
Contactors application	Resistive load
Utilisation category	AC-1 AC-3 AC-3e AC-4
Poles description	4P
[Ue] rated operational voltage	Power circuit <= 1000 V AC 25...400 Hz Power circuit <= 460 V DC
[Ie] rated operational current	200 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit
[Uc] control circuit voltage	240 V AC 50/60 Hz

Complementary

Compatibility code	LC1D
Pole contact composition	4 NO
Protective cover	With
[Ith] conventional free air thermal current	200 A (at 140 °F (60 °C)) for power circuit
Irms rated making capacity	1260 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	250 A 104 °F (40 °C) - 10 min for power circuit 550 A 104 °F (40 °C) - 1 min for power circuit 950 A 104 °F (40 °C) - 10 s for power circuit 1100 A 104 °F (40 °C) - 1 s for power circuit
Associated fuse rating	250 A gG at <= 690 V coordination type 1 for power circuit 200 A gG at <= 690 V coordination type 2 for power circuit
Average impedance	0.6 mOhm - Ith 200 A 50 Hz for power circuit
Power dissipation per pole	24 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
[Uimp] rated impulse withstand voltage	8 kV IEC 60947
Safety reliability level	B10d = 684932 cycles contactor with nominal load EN/ISO 13849-1 B10d = 10000000 cycles contactor with mechanical load EN/ISO 13849-1
Mechanical durability	8 Mcycles
Electrical durability	0.8 Mcycles 200 A AC-1 <= 440 V
Control circuit type	AC 50/60 Hz
Coil technology	Built-in bidirectional peak limiting diode suppressor
Control circuit voltage limits	0.3...0.5 Uc -40...158 °F (-40...70 °C) drop-out AC 50/60 Hz 0.8...1.15 Uc -40...131 °F (-40...55 °C) operational AC 50/60 Hz 1...1.15 Uc 131...158 °F (55...70 °C) operational AC 50/60 Hz

Inrush power in VA	280...350 VA 60 Hz cos phi 0.8 (at 68 °F (20 °C)) 280...350 VA 50 Hz cos phi 0.8 (at 68 °F (20 °C))
Hold-in power consumption in VA	2...18 VA 60 Hz cos phi 0.3 (at 68 °F (20 °C)) 2...18 VA 50 Hz cos phi 0.3 (at 68 °F (20 °C))
Heat dissipation	3...8 W at 50/60 Hz
Operating time	6...20 ms opening 20...50 ms closing
Maximum operating rate	2400 cyc/h 140 °F (60 °C)
Connections - terminals	Control circuit: screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 0.00...0.00 in ² (1...2.5 mm ²) - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 0.00...0.00 in ² (1...2.5 mm ²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 0.00...0.00 in ² (1...2.5 mm ²) - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) - cable stiffness: solid without cable end Power circuit: connector 1 0.02...0.19 in ² (10...120 mm ²) - cable stiffness: flexible without cable end Power circuit: connector 2 0.02...0.08 in ² (10...50 mm ²) - cable stiffness: flexible without cable end Power circuit: connector 1 0.02...0.19 in ² (10...120 mm ²) - cable stiffness: flexible with cable end Power circuit: connector 2 0.02...0.08 in ² (10...50 mm ²) - cable stiffness: flexible with cable end Power circuit: connector 1 0.02...0.19 in ² (10...120 mm ²) - cable stiffness: solid without cable end Power circuit: connector 2 0.02...0.08 in ² (10...50 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 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	UL[RETURN]CSA[RETURN]GOST[RETURN]RINA[RETURN]BV[RETURN]GL[RETURN]LROS (Lloyds register of shipping)[RETURN]DNV[RETURN]CCC[RETURN]UKCA
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	-40...140 °F (-40...60 °C) 140...158 °F (60...70 °C) with derating
Operating altitude	0...9842.52 ft (0...3000 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, 5...300 Hz) Vibrations contactor closed 4 Gn, 5...300 Hz) Shocks contactor closed 15 Gn for 11 ms) Shocks contactor open 6 Gn for 11 ms)
Height	6.22 in (158 mm)
Width	5.91 in (150 mm)
Depth	5.20 in (132 mm)
Net Weight	6.31 lb(US) (2.86 kg)

Ordering and shipping details

Category	US10I1222359
Discount Schedule	0I12
GTIN	3389110051797
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.48 in (19.000 cm)
Package 1 Width	8.11 in (20.600 cm)
Package 1 Length	8.23 in (20.900 cm)
Package 1 Weight	6.53 lb(US) (2.960 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	4
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	15.75 in (40.000 cm)
Package 2 Length	23.62 in (60.000 cm)
Package 2 Weight	27.21 lb(US) (12.340 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	16
Package 3 Height	29.53 in (75.000 cm)
Package 3 Width	31.50 in (80.000 cm)
Package 3 Length	23.62 in (60.000 cm)
Package 3 Weight	120.20 lb(US) (54.520 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
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
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

Contractual warranty

Warranty	18 months
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