

LC1D115004BD

IEC contactor, TeSys Deca, nonreversing, 200A resistive, 4 pole, 4 NO, 24VDC coil, open style



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 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 140 °F (60 °C)) <= 440 V AC AC-1 power circuit
[Uc] control circuit voltage	24 V DC

Complementary

Compatibility code	LC1D
Pole contact composition	4 NO
Contact compatibility	M8
Protective cover	With
[Ith] conventional free air thermal current	200 A 140 °F (60 °C) power circuit
Irms rated making capacity	1260 A 440 V power circuit IEC 60947
Rated breaking capacity	1100 A 440 V power circuit IEC 60947
[Icw] rated short-time withstand current	250 A 104 °F (40 °C) - 10 min power circuit 550 A 104 °F (40 °C) - 1 min power circuit 950 A 104 °F (40 °C) - 10 s power circuit 1100 A 104 °F (40 °C) - 1 s power circuit
Associated fuse rating	250 A gG <= 690 V type 1 power circuit 200 A gG <= 690 V type 2 power circuit
Average impedance	0.6 mOhm - Ith 200 A 50 Hz 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 = 1369863 cycles contactor with nominal load EN/ISO 13849-1 B10d = 20000000 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	DC standard
Coil technology	With integral suppression device
Control circuit voltage limits	0.75...1.2 Uc -40...131 °F (-40...55 °C) operational DC 0.15...0.4 Uc -40...158 °F (-40...70 °C) drop-out DC 1...1.2 Uc 131...158 °F (55...70 °C) operational DC
Inrush power in W	270...365 W 68 °F (20 °C))

Hold-in power consumption in W	2.4...5.1 W 68 °F (20 °C)
Operating time	20...35 ms closing 40...75 ms opening
Time constant	25 ms
Maximum operating rate	1200 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) flexible with cable end Control circuit screw clamp terminals 1 0.00...0.00 in ² (1...2.5 mm ²) flexible with cable end Control circuit screw clamp terminals 1 0.00...0.00 in ² (1...2.5 mm ²) flexible without cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) flexible without cable end Control circuit screw clamp terminals 1 0.00...0.00 in ² (1...2.5 mm ²) solid without cable end Control circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) solid without cable end Power circuit connector 1 0.02...0.19 in ² (10...120 mm ²) flexible without cable end Power circuit connector 2 0.02...0.08 in ² (10...50 mm ²) flexible without cable end Power circuit connector 1 0.02...0.19 in ² (10...120 mm ²) flexible with cable end Power circuit connector 2 0.02...0.08 in ² (10...50 mm ²) flexible with cable end Power circuit connector 1 0.02...0.19 in ² (10...120 mm ²) solid without cable end Power circuit connector 2 0.02...0.08 in ² (10...50 mm ²) 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	Rail Plate

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	RINA GOST GL CCC DNV BV CSA UL LROS (Lloyds register of shipping) 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	22359-CTR, TESYS D, OPEN, 80-150A AC&DC
Discount Schedule	I12
GTIN	3389110857245
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.61 in (16.8 cm)
Package 1 Width	8.35 in (21.2 cm)
Package 1 Length	7.28 in (18.5 cm)
Package 1 Weight	6.06 lb(US) (2.75 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 EU RoHS Declaration
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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