

LC1D65AEHE

TeSys D contactor 3P 65A AC-3 up to 440V coil
48-130V AC/DC EverLink

Product availability : Non-Stock - Not normally stocked in distribution facility



Price* : 162.00 USD



Main

Range	TeSys
Product name	TeSys D Green
Product or component type	Contactor
Device short name	LC1D
Contactor application	Motor control Resistive load
Utilisation category	AC-1 AC-3
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit: ≤ 690 V AC 25...400 Hz
[Ie] rated operational current	80 A (at <60 °C) at ≤ 440 V AC-1 for power circuit 65 A 140 °F (60 °C) ≤ 440 V AC-3 power circuit
Motor power kW	18.5 kW 220...230 V AC 50 Hz AC-3) 30 kW 380...400 V AC 50 Hz AC-3) 37 kW at 415 V AC 50 Hz (AC-3) 37 kW at 440 V AC 50 Hz (AC-3) 37 kW 500 V AC 50 Hz AC-3) 37 kW 660...690 V AC 50 Hz AC-3)
Motor power HP (UL / CSA)	5 hp 115 V AC 60 Hz 1 phase 10 hp 230/240 V AC 60 Hz 1 phase 20 hp 200/208 V AC 60 Hz 3 phase 20 hp 230/240 V AC 60 Hz 3 phase 40 hp 460/480 V AC 60 Hz 3 phase 50 hp 575/600 V AC 60 Hz 3 phase
[Uc] control circuit voltage	48...130 V AC 50/60 Hz 48...130 V DC
Coil type	AC/DC electronic
Auxiliary contact composition	1 NO + 1 NC

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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[Uimp] rated impulse withstand voltage	6 kV IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	80 A (at 60 °C) for power circuit 10 A 140 °F (60 °C) signalling circuit
Irms rated making capacity	1000 A at 440 V for power circuit conforming to IEC 60947 140 A AC signalling circuit IEC 60947-5-1 250 A DC signalling circuit IEC 60947-5-1
Rated breaking capacity	1000 A at 440 V for power circuit conforming to IEC 60947
[Icw] rated short-time withstand current	110 A 40 °C - 10 min for power circuit 260 A 40 °C - 1 min for power circuit 520 A 40 °C - 10 s for power circuit 900 A 40 °C - 1 s for power circuit 100 A - 1 s signalling circuit 120 A - 500 ms signalling circuit 140 A - 100 ms signalling circuit
Associated fuse rating	125 A gG at <= 690 V coordination type 1 for power circuit 125 A gG at <= 690 V coordination type 2 for power circuit 10 A gG signalling circuit IEC 60947-5-1
Average impedance	1.5 mOhm - Ith 80 A 50 Hz for power circuit
[Ui] rated insulation voltage	Power circuit: 690 V conforming to IEC 60947-4-1 Signalling circuit 690 V IEC 60947-1
Electrical durability	1.8 Mcycles 57 A AC-3 <= 440 V 0.5 Mcycles 80 A AC-1 <= 440 V
Power dissipation per pole	9.6 W AC-1 6.3 W AC-3
Front cover	With
Mounting support	Rail Plate
Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 CSA C22.2 No 60947-4-1
Product certifications	CCC CSA EAC UL KC DNV-GL LROS (Lloyds register of shipping)
Connections - terminals	Control circuit screw clamp terminals 1 0.00...0.01 in ² (1...4 mm ²)flexible without cable end Control circuit screw clamp terminals 2 0.00...0.01 in ² (1...4 mm ²)flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible with cable end 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 cable(s) 1...4 mm ² solid Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² solid Power circuit EverLink BTR screw connectors 1 0.00...0.05 in ² (1...35 mm ²)flexible without cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm ² flexible with cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1...35 mm ² solid Power circuit EverLink BTR screw connectors 2 0.00...0.04 in ² (1...25 mm ²)flexible without cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm ² flexible with cable end Power circuit: EverLink BTR screw connectors 2 cable(s) 1...25 mm ² solid
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver flat Ø 6 mm Control circuit: 1.7 N.m - on screw clamp terminals - with screwdriver Philips No 2 Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 25...35 mm ² hexagonal screw head 4 mm Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 1...25 mm ² hexagonal screw head 4 mm
Operating time	55...65 ms closing 20...120 ms opening >= 17221) 20...80 ms opening >= 18011)
Safety reliability level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1
Mechanical durability	6 Mcycles
Maximum operating rate	3600 cyc/h 60 °C

Complementary

Coil technology	Built-in bidirectional peak limiting
Control circuit voltage limits	<= 0.1 Uc -40...158 °F (-40...70 °C) drop-out AC/DC 0.85...1.1 Uc -40...140 °F (-40...60 °C) operational AC/DC 1...1.1 Uc 140...158 °F (60...70 °C) operational AC/DC
Inrush power in VA	23 VA 50/60 Hz 68 °F (20 °C))
Inrush power in W	19 W 68 °F (20 °C)
Hold-in power consumption in VA	1.4 VA 68 °F (20 °C)) 50/60 Hz
Hold-in power consumption in W	0.9 W 68 °F (20 °C)
Heat dissipation	0.9 W 50/60 Hz
Auxiliary contacts type	type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 type mirror contact 1 NC conforming to IEC 60947-4-1
Signalling circuit frequency	25...400 Hz
Minimum switching current	5 mA signalling circuit
Minimum switching voltage	17 V signalling circuit
Non-overlap time	1.5 ms on de-energisation between NC and NO contact 1.5 ms on energisation between NC and NO contact
Insulation resistance	> 10 MOhm signalling circuit
Compatibility code	LC1D

Environment

IP degree of protection	IP20 front face IEC 60529
Protective treatment	TH IEC 60068-2-30
Pollution degree	3
Ambient air temperature for operation	-40...140 °F (-40...60 °C) 140...158 °F (60...70 °C) with derating
Ambient air temperature for storage	-76...176 °F (-60...80 °C)
Operating altitude	0...9842.52 ft (0...3000 m)
Fire resistance	850 °C conforming to IEC 60695-2-1
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Vibrations contactor open2 Gn, 5...300 Hz Vibrations contactor closed4 Gn, 5...300 Hz Shocks contactor open10 Gn for 11 ms Shocks contactor closed15 Gn for 11 ms
Height	4.80 in (122 mm)
Width	2.17 in (55 mm)
Depth	4.72 in (120 mm)
Net Weight	2.21 lb(US) (1.002 kg)
Color	Grey (SE GREY 6) Green SE GREEN 2)

Ordering and shipping details

Category	22356 - CTR, TESYS D, OPEN, 9-65A AC/DC GREEN
Discount Schedule	I12
GTIN	03606480988271
Nbr. of units in pkg.	1
Package weight(Lbs)	2.21 lb(US) (1.00 kg)
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.44 in (6.2 cm)
Package 1 width	5.39 in (13.7 cm)

Package 1 Length	6.02 in (15.3 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	9
Package 2 Weight	22.13 lb(US) (10.04 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
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
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Halogen content performance	Halogen free plastic parts & cables product

Contractual warranty

Warranty	18 months
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