

LC1D326BLS207

IEC contactor, TeSys D, nonreversing, 32A,
20HP at 480VAC, 3 phase, 3 pole, 3 NO, low
consumption 24VDC coil, open style





Main

Range	TeSys
Product name	TeSys D TeSys Deca
Product or Component Type	Contactor
Device short name	LC1D
Contactor application	Resistive load Motor control
Utilisation category	AC-3 AC-1 AC-3e
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	32 A 140 °F (60 °C)) ≤ 440 V AC AC-3 power circuit 50 A 140 °F (60 °C)) ≤ 440 V AC AC-1 power circuit 32 A 140 °F (60 °C)) ≤ 440 V AC AC-3e power circuit
Motor power kW	7.5 KW 220/230 V AC 50 Hz AC-3) 15 KW 380/400 V AC 50 Hz AC-3) 15 KW 415 V AC 50 Hz AC-3) 15 KW 440 V AC 50 Hz AC-3) 18.5 KW 500 V AC 50 Hz AC-3) 18.5 KW 660/690 V AC 50 Hz AC-3) 7.5 KW 220/230 V AC 50 Hz AC-3e) 15 KW 380/400 V AC 50 Hz AC-3e) 15 KW 415 V AC 50 Hz AC-3e) 15 KW 440 V AC 50 Hz AC-3e) 18.5 KW 500 V AC 50 Hz AC-3e) 18.5 kW 660/690 V AC 50 Hz AC-3e)
[Uc] control circuit voltage	24 V DC
Coil type	Low consumption
Auxiliary contact composition	1 NO + 1 NC
[Uimp] rated impulse withstand voltage	6 kV IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	10 A 140 °F (60 °C) signalling circuit 50 A 140 °F (60 °C) power circuit
Irms rated making capacity	140 A AC signalling circuit IEC 60947-5-1 250 A DC signalling circuit IEC 60947-5-1 550 A 440 V power circuit IEC 60947
Rated breaking capacity	550 A 440 V power circuit IEC 60947
[Icw] rated short-time withstand current	100 A - 1 s signalling circuit 120 A - 500 ms signalling circuit 140 A - 100 ms signalling circuit 260 A 104 °F (40 °C) - 10 s power circuit 430 A 104 °F (40 °C) - 1 s power circuit 60 A 104 °F (40 °C) - 10 min power circuit 138 A 104 °F (40 °C) - 1 min power circuit
Associated fuse rating	10 A gG signalling circuit IEC 60947-5-1 63 A gG ≤ 690 V type 1 power circuit 63 A gG ≤ 690 V type 2 power circuit
Average impedance	2 mOhm - Ith 50 A 50 Hz power circuit
[Ui] rated insulation voltage	Power circuit 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-1
Electrical durability	1.65 Mcycles 32 A AC-3 ≤ 440 V 1.4 Mcycles 50 A AC-1 ≤ 440 V 1.65 Mcycles 32 A AC-3e ≤ 440 V

Power dissipation per pole	2 W AC-3 5 W AC-1 2 W AC-3e
Front cover	With
Mounting Support	Rail Plate
Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 EN 45545 R22 HL3 EN 45545 R26 HL3 DIN 5510-2
Product certifications	IEC CCC EAC UA TR UKCA
Connections - terminals	Control circuit lugs-ring terminals 0.31 in (8 mm) Power circuit lugs-ring terminals 0.47 in (12 mm))
Tightening torque	Control circuit 15.05 lbf.in (1.7 N.m) lugs-ring terminals flat Ø 6 mm M3.5 Control circuit 15.05 lbf.in (1.7 N.m) lugs-ring terminals Philips No 2 M3.5 Power circuit 22.13 lbf.in (2.5 N.m) lugs-ring terminals Philips No 2 M4 Power circuit 22.13 lbf.in (2.5 N.m) lugs-ring terminals flat Ø 6 mm M4
Operating time	55...75 ms closing 16...32 ms opening
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
Maximum operating rate	3600 cyc/h 140 °F (60 °C)

Complementary

Coil technology	With integral suppression device
Control circuit voltage limits	0.1...0.25 Uc -40...158 °F (-40...70 °C) drop-out DC 0.7...1.25 Uc -40...158 °F (-40...70 °C) operational DC
Time constant	37 ms
Inrush power in W	4 W 68 °F (20 °C)
Hold-in power consumption in W	4 W 68 °F (20 °C)
Auxiliary contacts type	Mechanically linked 1 NO + 1 NC IEC 60947-5-1 Mirror contact 1 NC 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

Environment

IP degree of protection	IP20 front face IEC 60529
Climatic withstand	IACS E10 IEC 60947-1 Annex Q category D
Pollution degree	3
Ambient Air Temperature for Storage	-76...176 °F (-60...80 °C)
Operating altitude	0...9842.52 ft (0...3000 m)
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Mechanical robustness	Vibrations contactor open2 Gn, 5...300 Hz Vibrations contactor closed4 Gn, 5...300 Hz Shocks contactor closed15 Gn for 11 ms Shocks contactor open8 Gn for 11 ms
Ambient air temperature for operation	-40...158 °F (-40...70 °C)

Height	3.35 in (85 mm)
Width	1.77 in (45 mm)
Depth	3.98 in (101 mm)
Net Weight	0.83 lb(US) (0.375 kg)

Ordering and shipping details

Category	22354-CTR, TESYS D, OPEN, 9-38A AC
Discount Schedule	I12
GTIN	3389118234604
Nbr. of units in pkg.	1
Package weight(Lbs)	19.61 oz (556.0 g)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.13 in (5.4 cm)
Package 1 width	3.54 in (9.0 cm)
Package 1 Length	4.29 in (10.9 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Weight	19.39 lb(US) (8.795 kg)
Package 2 Height	5.91 in (15.0 cm)
Package 2 width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)

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
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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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