Product data sheet

Specifications

IEC contactor, TeSys D, nonreversing, 12A, 7.5HP at 480VAC, 3 phase, 3 pole, 3 NO, low consumption 72VDC coil, open style

LC1D126SLS207

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

Main

Range	TeSys TeSys Deca
Range of Product	TeSys Deca
Product or Component Type	Contactor
Device short name	LC1D
Contactor application	Motor control Resistive load
Utilisation category	AC-3 AC-1 AC-3e
Poles description	3P
[Ue] rated operational voltage	Power circuit <= 690 V AC 25...400 Hz
[Ie] rated operational current	25 A (at <140 °F (60 °C)) at <= 440 V AC AC-1 for power circuit 12 A (at <140 °F (60 °C)) at <= 440 V AC AC-3 for power circuit 12 A (at <140 °F (60 °C)) at <= 440 V AC AC-3e for power circuit

Complementary

Motor power kW	3 kW at 220/230 V AC 50 Hz (AC-3) 5.5 kW at 380/400 V AC 50 Hz (AC-3) 5.5 kW at 415 V AC 50 Hz (AC-3) 5.5 kW at 440 V AC 50 Hz (AC-3) 7.5 kW at 500 V AC 50 Hz (AC-3) 7.5 kW at 660/690 V AC 50 Hz (AC-3) 3 kW at 220/230 V AC 50 Hz (AC-3e) 5.5 kW at 380/400 V AC 50 Hz (AC-3e) 5.5 kW at 415 V AC 50 Hz (AC-3e) 5.5 kW at 440 V AC 50 Hz (AC-3e) 7.5 kW at 500 V AC 50 Hz (AC-3e) 7.5 kW at 660/690 V AC 50 Hz (AC-3e)
Pole contact composition	3 NO
Protective cover	With
Auxiliary contacts type	Mechanically linked 1 NO + 1 NC IEC 60947-5-1 Mirror contact 1 NC IEC 60947-4-1
Auxiliary contact composition	1 NO + 1 NC
[Ui] rated insulation voltage	Power circuit 690 V IEC 60947-4-1 Signalling circuit 690 V IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV IEC 60947
Overvoltage category	III
[Ith] conventional free air thermal current	10 A (at 140 °F (60 °C)) for signalling circuit 25 A (at 140 °F (60 °C)) for power circuit

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Irms rated making capacity	250 A at 440 V for power circuit conforming to IEC 60947 140 A AC for signalling circuit conforming to IEC 60947-5-1 250 A DC for signalling circuit conforming to IEC 60947-5-1
Rated breaking capacity	250 A at 440 V for power circuit conforming to IEC 60947
Associated fuse rating	10 A gG for signalling circuit conforming to IEC 60947-5-1 40 A gG at <= 690 V coordination type 1 for power circuit 25 A gG at <= 690 V coordination type 2 for power circuit
Time constant	37 ms
Control circuit type	DC low consumption
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
Average impedance	2.5 mOhm - Ith 25 A 50 Hz for power circuit
Power dissipation per pole	1.56 W AC-1 0.36 W AC-3 0.36 W AC-3e
Minimum switching current	5 mA for signalling circuit
Minimum switching voltage	17 V for 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
Operating time	77 ±15 % ms closing 25 ±20 % ms opening
Maximum operating rate	3600 cyc/h 140 °F (60 °C)
Inrush power in W	4 W 68 °F (20 °C))
Hold-in power consumption in W	4 W 68 °F (20 °C)
Insulation resistance	> 10 MOhm for signalling circuit
Connections - terminals	Control circuit: lugs-ring terminals - external diameter: 0.3 in (8 mm) Power circuit: lugs-ring terminals - external diameter: 0.4 in (9.5 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 15.05 lbf.in (1.7 N.m) lugs-ring terminals Philips No 2 M3.5 Power 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 pozidriv No 2 M3.5 Power circuit 15.05 lbf.in (1.7 N.m) lugs-ring terminals pozidriv No 2 M3.5
Mounting Support	Rail Plate
Electrical durability	2 Mcycles 12 A AC-3 <= 440 V 0.8 Mcycles 25 A AC-1 <= 440 V 2 Mcycles 12 A AC-3e <= 440 V
Mechanical durability	30 Mcycles
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
Operating altitude	0...9842.52 ft (0...3000 m)
Compatibility code	LC1D
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

Environment

Climatic withstand	IACS E10 IEC 60947-1 Annex Q category D
Ambient Air Temperature for Storage	-76…176 °F (-60…80 °C)
Fire resistance	1562 °F (850 °C) IEC 60695-2-1
Height	3.03 in (77 mm)
Width	1.8 in (45 mm)
Depth	3.7 in (95 mm)
Net Weight	0.717 lb(US) (0.325 kg)
Mechanical robustness	Vibrations contactor open 2 Gn, 5...300 Hz) Vibrations contactor closed 4 Gn, 5...300 Hz) Shocks contactor open 10 Gn for 11 ms) Shocks contactor closed 15 Gn for 11 ms)

Ordering and shipping details

Category	US10I1222354
Discount Schedule	0I12
GTIN	3389118234321
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	4.06 in (10.3 cm)
Package 1 Width	3.2 in (8.1 cm)
Package 1 Length	2.1 in (5.4 cm)
Package weight(Lbs)	17.7 oz (501.0 g)

Contractual warranty

Warranty	18 months

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	21
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	4be95b29-a1a6-4998-9661-e1893f5e4a16
REACh Regulation	REACh Declaration
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
PVC free	Yes

Use Again

Repack and remanufacture

Recyclability potential, in %	73
Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Offer Marketing Illustration

Product benefits / Features

Offer Marketing Illustration

Product benefits / Features

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Product benefits / Features