

Product data sheet

Specifications



Contactors for charging post, Easy TeSys Control, DC-1 $\leq 1000\text{V } 50\text{A}$, 12V DC, single coil, epoxy, internal thread, without connector

LC1E50ADCH1S260N

Product availability: Stock - Normally stocked in distribution facility

Main

Range	Easy TeSys
Range of Product	Easy TeSys Control
Product or Component Type	Contactors
Device short name	LC1E
Contactors application	Resistive load
Poles description	1P
Maximum switching voltage	1000 V DC
[Ith] conventional free air thermal current	50 A for power circuit
[Uc] control circuit voltage	12 V DC

Complementary

Pole contact composition	1 NO
Permissible short-time rating	50 A for continuous 75 A 60 min 100 A 20 min 200 A 30 s 400 A 2 s 500 A 0.6 s
[Ui] rated insulation voltage	1000 V IEC 60947-4-1 power circuit
Average impedance	2 mOhm - Ith 50 A
[Uimp] rated impulse withstand voltage	6 kV coil not connected to the power circuit IEC 60947
Mechanical durability	300000 cycles
Electrical durability	1000 cycles at 750 V, 50 A on resistive load for only breaking, 0.6s open, 5.4s break 1000 cycles at 1000 V, 50 A on resistive load for only breaking, 0.6s open, 5.4s break
Control circuit type	DC
Control circuit voltage limits	0.85...1.1 Uc operational 0.1...0.75 Uc drop-out
Hold-in power consumption in W	5.5 W
Polarity	No main contact No coil
Operating time	50 ms on closing 30 ms on opening
End Connection Type	Internal Thread

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

Connections - terminals	Power circuit M5 nut Power circuit flat washers Power circuit spring washers Control circuit 2-wire supply 15.7 in (40 cm)
Tightening torque	Power circuit 31.0...39.8 lbf.in (3.5...4.5 N.m)
Auxiliary contact composition	1 NO
Minimum switching current	0.1 A
Minimum switching voltage	8 V for DC
Insulation resistance	1000 MOhm at 1000 V DC
Mounting Support	Vertical support
Standards	IEC 60947-4-1 GB/T 14048.4
Product Certifications	CCC CB UL
Height	2.8 in (70.1 mm)
Width	1.4 in (35.5 mm)
Depth	2.1 in (54.6 mm)
Net Weight	6.7 oz (190 g)

Environment

IP degree of protection	IP60
Ambient air temperature for operation	-40...185 °F (-40...85 °C) operation -40...185 °F (-40...85 °C) storage
Operating altitude	13123.36 ft (4000 m) without derating
Mechanical robustness	Vibrations 5 g, 10...500 Hz Shocks 20 g for 11 ms)

Ordering and shipping details

Category	US10I1222354
Discount Schedule	0112
GTIN	3606487454588
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.8 in (7 cm)
Package 1 Width	1.4 in (3.6 cm)
Package 1 Length	2.2 in (5.5 cm)
Package weight(Lbs)	6.8 oz (193.8 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	8
Package 2 Height	3.7 in (9.5 cm)

Package 2 Width	7.5 in (19 cm)
Package 2 Length	11.8 in (30 cm)
Package 2 Weight	4.0 lb(US) (1.8 kg)
Unit Type of Package 3	S03
Number of Units in Package 3	24
Package 3 Height	11.8 in (30 cm)
Package 3 Width	11.8 in (30 cm)
Package 3 Length	15.7 in (40 cm)
Package 3 Weight	12.990 lb(US) (5.892 kg)

Contractual warranty

Warranty (in months)	18
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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

Total lifecycle Carbon footprint	423 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	421 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.4 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	3430ddca-085e-409c-83bb-8218186cfcc4
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

Use Longer




Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	80
Circularity Profile	End of Life Information
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.