

# Product data sheet

Specifications



Contactors for charging post, Easy TeSys Control, DC-1  $\leq 1500\text{V } 20\text{A}$ , 24V DC, single coil, ceramics, internal thread, without connector

LC1E20BDAT1S260N

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	1500 V DC
[Ith] conventional free air thermal current	20 A for power circuit
[Uc] control circuit voltage	24 V DC

## Complementary

Pole contact composition	1 NO
Permissible short-time rating	20 A for continuous 75 A 10 min 400 A 2 s
[Ui] rated insulation voltage	1500 V IEC 60947-4-1 power circuit
Average impedance	5 mOhm - Ith 20 A
[Uimp] rated impulse withstand voltage	6 kV coil not connected to the power circuit IEC 60947
Mechanical durability	300000 cycles
Electrical durability	2000 cycles at 750 V, 20 A on resistive load for only breaking, 0.6s open, 5.4s break 1500 cycles at 1000 V, 20 A on resistive load for only breaking, 0.6s open, 5.4s break 1000 cycles at 1500 V, 20 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	2.6 W
Polarity	No main contact No coil
Operating time	30 ms on closing 15 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.

<b>Connections - terminals</b>	Power circuit M4 nut Power circuit flat washers Power circuit spring washers Control circuit 2-wire supply 11.8 in (30 cm)
<b>Tightening torque</b>	Power circuit 22.1...31.0 lbf.in (2.5...3.5 N.m)
<b>Auxiliary contact composition</b>	Without
<b>Insulation resistance</b>	1000 MOhm at 1000 V DC
<b>Mounting Support</b>	Vertical support
<b>Standards</b>	IEC 60947-4-1 GB/T 14048.4
<b>Product Certifications</b>	CCC CB UL
<b>Height</b>	1.9 in (47 mm)
<b>Width</b>	1.5 in (37 mm)
<b>Depth</b>	2.6 in (67 mm)
<b>Net Weight</b>	5.6 oz (160 g)

## Environment

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

## Ordering and shipping details

<b>Category</b>	US10I1122387
<b>Discount Schedule</b>	0111
<b>GTIN</b>	3606487454762
<b>Returnability</b>	Yes
<b>Country of origin</b>	CN

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	2.7 in (6.8 cm)
<b>Package 1 Width</b>	1.4 in (3.6 cm)
<b>Package 1 Length</b>	1.9 in (4.7 cm)
<b>Package weight(Lbs)</b>	5.1 oz (145 g)
<b>Unit Type of Package 2</b>	S01
<b>Number of Units in Package 2</b>	24
<b>Package 2 Height</b>	5.9 in (15 cm)
<b>Package 2 Width</b>	5.9 in (15 cm)
<b>Package 2 Length</b>	15.7 in (40 cm)

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<b>Package 2 Weight</b>	8.309 lb(US) (3.769 kg)
<b>Unit Type of Package 3</b>	CAR
<b>Number of Units in Package 3</b>	64
<b>Package 3 Height</b>	22.05 in (56 cm)
<b>Package 3 Width</b>	14.6 in (37 cm)
<b>Package 3 Length</b>	5.3 in (13.5 cm)
<b>Package 3 Weight</b>	23.1 lb(US) (10.5 kg)

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## **Contractual warranty**

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<b>Warranty (in months)</b>	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	231 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Carbon footprint of the manufacturing phase [A1 to A3]	0.8 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	229 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.

### Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
SCIP Number	3430ddca-085e-409c-83bb-8218186cfcc4
REACH Regulation	<a href="#">REACH Declaration</a>
California proposition 65	<b>WARNING:</b> 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

### Use Longer




### Lifetime extension

Repair	No
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### Use Again



### Repack and remanufacture

Recyclability potential, in %	88
Circularity Profile	<a href="#">End of Life Information</a>
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.