

# Product data sheet

Specifications



## Ultra compact starter, TeSys Hybrid, Safe Torque Off, 3P, 500VAC, 3kW at 400V, 24VDC,

LZ7H6X5BD

**Product availability: Stock - Normally stocked in distribution facility**

**Price\*: 330.00 USD**

### Main

Range	TeSys
Product name	TeSys Hybrid
Device short name	LZ7H
Product or Component Type	Ultra-compact starter
Motor starter type	Direct on line
poles description	3P
[Ue] rated operational voltage	500 V AC
[Ie] rated operational current	6.5 A 500 V AC-53A 9 A 500 V AC-51 5 A 500 V AC-53A mounting side by side 7 A 500 V AC-51 mounting side by side
Thermal protection adjustment range	1.5...9 A
Motor power kW	1.5 kW 220 V AC 0.65 1.5 kW 230 V AC 0.65 2.2 kW 380 V AC 0.65 3 kW 400 V AC 0.65 3 kW 415 V AC 0.65 3 kW 440 V AC 0.65 3 kW 500 V AC 0.65
Maximum Horse Power Rating	1 hp 200 V AC 1.5 hp 230 V AC 3 hp 460 V AC
[Uc] control circuit voltage	24 V DC
Safety level	SIL 3 IEC 61508-1 stop function PL = e ISO 13849-1 stop function SIL 2 IEC 61508-1 motor protection
Safety reliability data	MTTFd = 517 years stop function SFF = 99 % stop function SFF = 99 % motor protection MTTFd = 447 years motor protection PFHd = 2.40E-9 1/h stop function
Thermal overload class	Class 10A IEC 60947-4-2

### Complementary

Auxiliary contact composition	1 C/O fault signalling
Control circuit voltage limits	19.2...30 V DC
Current consumption	<= 40 mA 24 V DC

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

<b>Reset</b>	Manual Electrical reset
<b>Electrical durability</b>	30 Mcycles
<b>Maximum operating rate</b>	120 cyc/mn AC-51 50 % 6 cyc/mn AC-53A 50 %
<b>Mounting Mode</b>	By clips
<b>Mounting Support</b>	DIN rail
<b>Connections - terminals</b>	screw clamp terminals 1 0.0003...0.004 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) rigid screw clamp terminals 1 0.0004...0.004 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) flexible - with cable end screw clamp terminals 1 0.0003...0.004 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) flexible - without cable end
<b>Tightening torque</b>	4.4...5.3 lbf.in (0.5...0.6 N.m) flat Ø 2.5 mm 0.1 in (3 mm)
<b>Certifications</b>	ATEX as associated device for motor protection in zones 1 and 21 CE CULus
<b>Standards</b>	UL 60947-4-1 IEC 60947-4-2
<b>[UI] rated insulation voltage</b>	500 V AC 50/60 Hz
<b>[Uimp] rated impulse withstand voltage</b>	6 kV
<b>Pollution degree</b>	2
<b>Width</b>	0.9 in (22.5 mm)
<b>Height</b>	3.9 in (99 mm)
<b>Depth</b>	4.5 in (114.5 mm)
<b>Net Weight</b>	7.5 oz (212 g)

## Environment

<b>IP degree of protection</b>	IP20
<b>Protective treatment</b>	TC
<b>Ambient air temperature for operation</b>	-13.0000000000...86.0000000000 °F (-25...30 °C) without derating 86.0000000000...158.0000000000 °F (30...70 °C) with derating
<b>Ambient Air Temperature for Storage</b>	-40.0000000000...176.0000000000 °F (-40...80 °C)

## Ordering and shipping details

<b>Category</b>	US10I1222349
<b>Discount Schedule</b>	0112
<b>GTIN</b>	3606485421179
<b>Returnability</b>	Yes
<b>Country of origin</b>	DE

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	1.4 in (3.6 cm)
<b>Package 1 Width</b>	4.6 in (11.7 cm)
<b>Package 1 Length</b>	4.7 in (11.9 cm)
<b>Package 1 Weight</b>	9.0 oz (255.0 g)

<b>Unit Type of Package 2</b>	S01
<b>Number of Units in Package 2</b>	10
<b>Package 2 Height</b>	5.9 in (15.0 cm)
<b>Package 2 Width</b>	5.9 in (15.0 cm)
<b>Package 2 Length</b>	15.7 in (40.0 cm)
<b>Package 2 Weight</b>	5.992 lb(US) (2.718 kg)

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

## Well-being performance

✓ Reach Free Of Svhc

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✓ Toxic Heavy Metal Free

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✓ Mercury Free

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✓ Rohs Exemption Information Yes

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**Reach Regulation** [REACH Declaration](#)

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**Eu Rohs Directive** Compliant  
[EU RoHS Declaration](#)

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**China Rohs Regulation** [China RoHS declaration](#)

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**Weee** The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

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**California Proposition 65** WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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