

# Product data sheet

Specifications



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

LZ1H6X5BD

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

Price\*: 280.00 USD

### Main

|                                     |  |
|-------------------------------------|--|
| Range                               | TeSys  |
| Product name                        | TeSys Hybrid   |
| Device short name                   | LZ1H   |
| 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<br>9 A 500 V AC-51<br>5 A 500 V AC-53A mounting side by side<br>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<br>1.5 kW 230 V AC 0.65<br>2.2 kW 380 V AC 0.65<br>3 kW 400 V AC 0.65<br>3 kW 415 V AC 0.65<br>3 kW 440 V AC 0.65<br>3 kW 500 V AC 0.65 |
| Maximum Horse Power Rating          | 1 hp 200 V AC<br>1.5 hp 230 V AC<br>3 hp 460 V AC  |
| [Uc] control circuit voltage        | 24 V DC  |
| 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                              |
| Reset                          | Manual<br>Automatic reset<br>Electrical reset |
| Electrical durability          | 30 Mcycles                                    |
| Maximum operating rate         | 120 cyc/mn AC-51 50 %<br>6 cyc/mn AC-53A 50 % |
| Mounting Mode                  | By clips                                      |
| Mounting Support               | DIN rail                                      |

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

|  |  |
|--|--|
| Connections - terminals                | screw clamp terminals 1 0.0003...0.004 in² (0.2...2.5 mm²) rigid<br>screw clamp terminals 1 0.0004...0.004 in² (0.25...2.5 mm²) flexible - with cable end<br>screw clamp terminals 1 0.0003...0.004 in² (0.2...2.5 mm²) flexible - without cable end |
| Tightening torque                      | 4.4...5.3 lbf.in (0.5...0.6 N.m) flat Ø 2.5 mm 0.1 in (3 mm)   |
| Certifications                         | CULus<br>CE  |
| Standards                              | IEC 60947-4-2<br>UL 60947-4-1  |
| [Ui] rated insulation voltage          | 500 V AC 50/60 Hz  |
| [Uimp] rated impulse withstand voltage | 6 kV   |
| Pollution degree                       | 2  |
| Width                                  | 0.9 in (22.5 mm)   |
| Height                                 | 3.9 in (99 mm)   |
| Depth                                  | 4.5 in (114.5 mm)  |
| Net Weight                             | 7.5 oz (212 g)   |

## Environment

|                                       |  |
|---------------------------------------|--|
| IP degree of protection               | IP20   |
| Protective treatment                  | TC   |
| Ambient air temperature for operation | -13...86 °F (-25...30 °C) without derating<br>86...158 °F (30...70 °C) with derating |
| Ambient Air Temperature for Storage   | -40...176 °F (-40...80 °C)   |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10I1222349  |
| Discount Schedule | 0I12          |
| GTIN              | 3606485421131 |
| Returnability     | No            |
| Country of origin | US            |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Number of Units in Package 1 | 1                       |
| Package 1 Height             | 1.4 in (3.6 cm)         |
| Package 1 Width              | 4.6 in (11.7 cm)        |
| Package 1 Length             | 4.7 in (12.0 cm)        |
| Package 1 Weight             | 8.9 oz (253.0 g)        |
| Unit Type of Package 2       | S01                     |
| Number of Units in Package 2 | 10                      |
| Package 2 Height             | 5.9 in (15.0 cm)        |
| Package 2 Width              | 5.9 in (15.0 cm)        |
| Package 2 Length             | 15.7 in (40.0 cm)       |
| Package 2 Weight             | 6.016 lb(US) (2.729 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   |                     |
| ✓                         | Toxic Heavy Metal Free   |                     |
| ✓                         | Mercury Free   |                     |
| ✓                         | Rohs Exemption Information   | Yes                 |
| Reach Regulation          | REACH Declaration  |                     |
| Eu Rohs Directive         | Compliant  | EU RoHS Declaration |
| China Rohs Regulation     | China RoHS declaration   |                     |
| Weee                      | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |                     |
| California Proposition 65 | WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov   |                     |