

# Product datasheet

Specifications



## Starter TeSys H 0,75kW-400V control 110-230VAC

LZ1H2X4FU

⚠ Discontinued on: 11-Apr-2023

⚠ Discontinued

### 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      | 2.4 A at 500 V AC-51<br>2.4 A at 500 V AC-53A<br>2.4 A at 500 V AC-51 mounting side by side<br>2.4 A at 500 V AC-53A mounting side by side  |
| Thermal Protection Adjustment Range | 0.18...2.4 A  |
| Motor Power Kw                      | 0.37 kW at 220 V AC 0.65<br>0.37 kW at 230 V AC 0.65<br>0.75 kW at 380 V AC 0.65<br>0.75 kW at 400 V AC 0.65<br>0.75 kW at 415 V AC 0.65<br>0.75 kW at 440 V AC 0.65<br>1.1 kW at 500 V AC 0.65 |
| Motor Power Hp                      | 0.5 hp at 200 V AC<br>0.5 hp at 230 V AC<br>1 hp at 460 V AC  |
| [Uc] Control Circuit Voltage        | 110...230 V AC 50/60 Hz   |
| Thermal Overload Class              | Class 10A conforming to IEC 60947-4-2   |

### Complementary

|                                |   |
|--------------------------------|---|
| Auxiliary Contact Composition  | 1 C/O fault signalling                              |
| Control Circuit Voltage Limits | 85...253 V AC                                       |
| Current Consumption            | <= 4 mA at 110...230 V AC                           |
| Reset                          | Manual<br>Automatic reset<br>Electrical reset       |
| Electrical Durability          | 30 Mcycles  |
| Maximum Operating Rate         | 120 cyc/mn AC-51 50 % ON<br>6 cyc/mn AC-53A 50 % ON |
| Mounting Mode                  | By clips  |
| Mounting Support               | DIN rail  |

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 cable(s) 0.2...2.5 mm² - rigid<br>Screw clamp terminals 1 cable(s) 0.25...2.5 mm² - flexible - with cable end<br>Screw clamp terminals 1 cable(s) 0.2...2.5 mm² - flexible - without cable end |
| Tightening Torque                      | 0.5...0.6 N.m flat Ø 2.5 mm screwdriver 3 mm   |
| Certifications                         | CE<br>CULus  |
| 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 | 4 kV   |
| Pollution Degree                       | 2  |
| Width                                  | 22.5 mm  |
| Height                                 | 99 mm  |
| Depth                                  | 114.5 mm   |
| Net Weight                             | 212 g  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Ip Degree Of Protection               | IP20   |
| Protective Treatment                  | TC   |
| Ambient Air Temperature For Operation | -25...65 °C without derating<br>65...70 °C with derating |
| Ambient Air Temperature For Storage   | -40...80 °C  |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type Of Package 1       | PCE      |
| Number Of Units In Package 1 | 1        |
| Package 1 Height             | 3.6 cm   |
| Package 1 Width              | 11.7 cm  |
| Package 1 Length             | 12.0 cm  |
| Package 1 Weight             | 257.0 g  |
| Unit Type Of Package 2       | S01      |
| Number Of Units In Package 2 | 10       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 15.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 2.748 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      | <a href="#">REACH Declaration</a>   |     |
| Eu Rohs Directive     | Compliant<br><a href="#">EU RoHS Declaration</a>  |     |
| China Rohs Regulation | <a href="#">China RoHS declaration</a>  |     |
| Weee                  | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |     |