

# LZ1H2X4FU

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



### Main

|                                     |                                                                                                                                                                                                 |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                               | TeSys                                                                                                                                                                                           |
| Product name                        | TeSys H                                                                                                                                                                                         |
| 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                    |

|                                        |                                                                                                                                                                                                                                                            |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                        | 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                                                                                                                                                                                                                                                   |
| Connections - terminals                | Screw clamp terminals 1 cable(s) 0.2...2.5 mm <sup>2</sup> - rigid<br>Screw clamp terminals 1 cable(s) 0.25...2.5 mm <sup>2</sup> - flexible - with cable end<br>Screw clamp terminals 1 cable(s) 0.2...2.5 mm <sup>2</sup> - 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 Weight             | 257 g    |
| Package 1 Height             | 3.6 cm   |
| Package 1 width              | 11.7 cm  |
| Package 1 Length             | 12 cm    |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 10       |
| Package 2 Weight             | 2.748 kg |
| Package 2 Height             | 15 cm    |
| Package 2 width              | 15 cm    |
| Package 2 Length             | 40 cm    |

## Offer Sustainability

|                            |                                                  |
|----------------------------|--------------------------------------------------|
| Sustainable offer status   | Green Premium product                            |
| REACH Regulation           | <a href="#">REACH Declaration</a>                |
| REACH free of SVHC         | Yes                                              |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes                                              |
| Mercury free               | Yes                                              |
| RoHS exemption information | <a href="#">Yes</a>                              |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>           |

|                             |                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a>                                                                               |
| Circularity Profile         | <a href="#">End of Life Information</a>                                                                                     |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| <b>Contractual warranty</b> |                                                                                                                             |
| Warranty                    | 18 months                                                                                                                   |