# Product data sheet
## Characteristics

# LZ1H2X4BD
## Ultra compact starter, TeSys Hybrid, 3P, 500VAC, 0.75kW at 400V, 24VDC



## 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 | 24 V DC |
| Thermal overload class | Class 10A conforming to 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 at 24 V DC |
| 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 |
| 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 | 6 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…70 °C without 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 | 3.500 Cm |
| Package 1 Width | 11.700 Cm |
| Package 1 Length | 12.000 Cm |
| Package 1 Weight | 237.000 G |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 15.000 Cm |
| Package 2 Width | 15.000 Cm |
| Package 2 Length | 40.000 Cm |
| Package 2 Weight | 2.580 Kg |

## Offer Sustainability

| | |
|---|---|
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| SCIP Number | 7bbe12ea-c2b0-4258-881b-998147fc2e25 |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which |
| End of life manual availability | End Of Life Information |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection and |

## Contractual warranty

| | |
|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised