

Product data sheet

Specifications



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

LZ8H6X5BD

Main

| | |
|-------------------------------------|---|
| Range | TeSys |
| Product name | TeSys Hybrid |
| Device short name | LZ8H |
| Product or component type | Reversing 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 at 500 V AC-53A 9 A at 500 V AC-51 5 A at 500 V AC-53A mounting side by side 7 A at 500 V AC-51 mounting side by side |
| Thermal protection adjustment range | 1.5...9 A |
| Motor power kW | 1.5 kW at 220 V AC 0.65 1.5 kW at 230 V AC 0.65 2.2 kW at 380 V AC 0.65 3 kW at 400 V AC 0.65 3 kW at 415 V AC 0.65 3 kW at 440 V AC 0.65 3 kW at 500 V AC 0.65 |
| Motor power hp | 1 hp at 200 V AC 1.5 hp at 230 V AC 3 hp at 460 V AC |
| [Uc] control circuit voltage | 24 V DC |
| Safety level | SIL 3 conforming to IEC 61508-1 stop function PL = e conforming to ISO 13849-1 stop function SIL 2 conforming to IEC 61508-1 motor protection |
| Safety reliability data | MTTFd = 517 years stop function PFHd = 2.67E-9 1/h stop function SFF = 99 % stop function SFF = 99 % motor protection MTTFd = 447 years motor protection |
| Thermal overload class | Class 10A conforming to IEC 60947-4-2 |

Complementary

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|--------------------------------|----------------------------|
| 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 Electrical reset |
| Electrical durability | 30 Mcycles |

| | |
|---|--|
| Maximum operating rate | 120 cyc/mn AC-51 50 % ON 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 ² - rigid Screw clamp terminals 1 cable(s) 0.25...2.5 mm ² - flexible - with cable end Screw clamp terminals 1 cable(s) 0.2...2.5 mm ² - flexible - without cable end |
| Tightening torque | 0.5...0.6 N.m flat Ø 2.5 mm screwdriver 3 mm |
| Certifications | ATEX as associated device for motor protection in zones 1 and 21 CE CULus |
| Standards | UL 60947-4-1 IEC 60947-4-2 |
| [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...30 °C without derating 30...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 | 3.5 cm |
| Package 1 Width | 11.7 cm |
| Package 1 Length | 11.9 cm |
| Package 1 Weight | 265.0 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 | 2.85 kg |



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard

Yes

Packaging without single use plastic

No

[EU RoHS Directive](#)

Compliant

California proposition 65

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Use Again

Repack and remanufacture


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 never end up in rubbish bins