

Product data sheet

Specifications



Ultra compact starter, TeSys Hybrid,
Safe Torque Off, 3P, 500VAC,
0.75kW at 400V, 24VDC, Spring
termina

LZ7H2X43BD

Main

| | |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range | TeSys |
| Product Name | TeSys Hybrid |
| Device Short Name | LZ7H |
| 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 2.4 A at 500 V AC-53A 2.4 A at 500 V AC-51 mounting side by side 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 0.37 kW at 230 V AC 0.65 0.75 kW at 380 V AC 0.65 0.75 kW at 400 V AC 0.65 0.75 kW at 415 V AC 0.65 0.75 kW at 440 V AC 0.65 1.1 kW at 500 V AC 0.65 |
| Motor Power Hp | 0.5 hp at 200 V AC 0.5 hp at 230 V AC 1 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 SFF = 99 % stop function SFF = 99 % motor protection MTTFd = 447 years motor protection PFHd = 2.40E-9 1/h stop function |
| 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 Electrical reset |
| Electrical Durability | 30 Mcycles |

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

| | |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 | Spring clamp terminals 1 cable(s) 0.2...2.5 mm² - rigid Spring clamp terminals 1 cable(s) 0.25...2.5 mm² - flexible - with cable end Spring clamp terminals 1 cable(s) 0.2...2.5 mm² - flexible - without cable end |
| Certifications | CE ATEX as associated device for motor protection in zones 1 and 21 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

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|---------------------------------------|------------------------------|
| 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 | 3.600 cm |
| Package 1 Width | 11.700 cm |
| Package 1 Length | 12.000 cm |
| Package 1 Weight | 237.0 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 | 2.581 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-CO₂ 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 | |