

LZ7H6X5BD

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



Main

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|-------------------------------------|---|
| 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 | 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 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

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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 |

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| 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

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|---------------------------------------|--|
| 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

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| 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 | 11.9 cm |
| Package 1 Weight | 255.0 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 | 2.718 kg |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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| Warranty | 18 Monate |
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