

LZ7H6X5BD

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 500 V AC-53A 9 A 500 V AC-51 5 A 500 V AC-53A mounting side by side 7 A 500 V AC-51 mounting side by side |
| Thermal protection adjustment range | 1.5...9 A |
| Motor power kW | 1.5 KW 220 V AC 0.65 1.5 KW 230 V AC 0.65 2.2 KW 380 V AC 0.65 3 KW 400 V AC 0.65 3 KW 415 V AC 0.65 3 KW 440 V AC 0.65 3 kW 500 V AC 0.65 |
| Maximum Horse Power Rating | 1 Hp 200 V AC 1.5 Hp 230 V AC 3 hp 460 V AC |
| [Uc] control circuit voltage | 24 V DC |
| Safety level | SIL 3 IEC 61508-1 stop function PL = e ISO 13849-1 stop function SIL 2 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 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 24 V DC |
| Reset | Manual Electrical reset |
| Electrical durability | 30 Mcycles |
| Maximum operating rate | 120 Cyc/Mn AC-51 50 % 6 cyc/mn AC-53A 50 % |
| Mounting Mode | By clips |
| Mounting Support | DIN rail |
| Connections - terminals | Screw clamp terminals 1 0.00...0.00 in ² (0.2...2.5 mm ²) rigid Screw clamp terminals 1 0.00...0.00 in ² (0.25...2.5 mm ²) flexible - with cable end Screw clamp terminals 1 0.00...0.00 in ² (0.2...2.5 mm ²) flexible - without cable end |
| Tightening torque | 4.43...5.31 lbf.in (0.5...0.6 N.m) flat Ø 2.5 mm 0.12 in (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 | 0.89 in (22.5 mm) |
| Height | 3.90 in (99 mm) |
| Depth | 4.51 in (114.5 mm) |
| Net Weight | 7.48 oz (212 g) |

Environment

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| IP degree of protection | IP20 |
| Protective treatment | TC |
| Ambient air temperature for operation | -13...86 °F (-25...30 °C) without derating 86...158 °F (30...70 °C) with derating |
| Ambient Air Temperature for Storage | -40...176 °F (-40...80 °C) |

Ordering and shipping details

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|-------------------|---|
| Category | 22349-TESYS H ELECTRONIC STARTER 0-6.5A |
| Discount Schedule | I12 |
| GTIN | 3606485421179 |
| Returnability | No |
| Country of origin | DE |

Packing Units

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|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.42 in (3.6 cm) |
| Package 1 Width | 4.61 in (11.7 cm) |
| Package 1 Length | 4.69 in (11.9 cm) |
| Package 1 Weight | 8.99 oz (255.0 g) |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 5.91 in (15.0 cm) |
| Package 2 Width | 5.91 in (15.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 5.99 lb(US) (2.718 kg) |

Offer Sustainability

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|----------------------------|--|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov |
| 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 |

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
