



Main

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| Range | TeSys |
| Product name | TeSys H |
| 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 | 9 A at 500 V AC-51 6.5 A at 500 V AC-53A 4.5 A at 500 V AC-53A mounting side by side 6 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 with power factor : 0.65 1.5 kW at 230 V AC with power factor : 0.65 2.2 kW at 380 V AC with power factor : 0.65 3 kW at 400 V AC with power factor : 0.65 3 kW at 415 V AC with power factor : 0.65 3 kW at 440 V AC with power factor : 0.65 3 kW at 500 V AC with power factor : 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 | 110...230 V AC 50/60 Hz |
| 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 | SFF = 99 % stop function SFF = 99 % motor protection MTTFd = 289 years stop function MTTFd = 273 years motor protection PFHd = 6.82E-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 | 85...253 V AC |

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| Current consumption | <= 4 mA at 110...230 V AC |
| Reset | Manual Electrical reset |
| Electrical durability | 30 Mcycles |
| 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 0.2...2.5 mm ² - cable stiffness: rigid Screw clamp terminals 1 cable 0.25...2.5 mm ² - cable stiffness: flexible - with cable end Screw clamp terminals 1 cable 0.2...2.5 mm ² - cable stiffness: flexible - without cable end |
| Tightening torque | 0.5...0.6 N.m - with screwdriver 3 mm flat Ø 2.5 mm |
| Certifications | CE ATEX as associated device for motor protection in zones 1 and 21 CULus |
| Standards | IEC 60947-4-2 UL 60947-4-1 |
| [Ui] rated insulation voltage | 500 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 4 kV |
| Pollution degree | 2 |
| Width | 22.5 mm |
| Height | 99 mm |
| Depth | 114.5 mm |
| Product 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 |

Offer Sustainability

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|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| RoHS (date code: YYWW) | Compliant - since 1526 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| Product environmental profile | Available Product environmental |
| Product end of life instructions | Available |