



### Main

|                                     |   |
|-------------------------------------|---|
| Range                               | TeSys   |
| Product name                        | TeSys H   |
| 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      | 9 A at 500 V AC-51<br>6.5 A at 500 V AC-53A<br>5 A at 500 V AC-53A mounting side by side<br>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 with power factor : 0.65<br>1.5 kW at 230 V AC with power factor : 0.65<br>2.2 kW at 380 V AC with power factor : 0.65<br>3 kW at 400 V AC with power factor : 0.65<br>3 kW at 415 V AC with power factor : 0.65<br>3 kW at 440 V AC with power factor : 0.65<br>3 kW at 500 V AC with power factor : 0.65 |
| Motor power hp                      | 1 hp at 200 V AC<br>1.5 hp at 230 V AC<br>3 hp at 460 V AC  |
| [Uc] control circuit voltage        | 24 V DC   |
| Safety level                        | SIL 3 conforming to IEC 61508-1 stop function<br>PL = e conforming to ISO 13849-1 stop function<br>SIL 2 conforming to IEC 61508-1 motor protection   |
| Safety reliability data             | MTTFd = 517 years stop function<br>SFF = 99 % stop function<br>SFF = 99 % motor protection<br>MTTFd = 447 years motor protection<br>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<br>Electrical reset  |
| Electrical durability                  | 30 Mcycles  |
| Operating rate                         | 120 cyc/mn AC-51 50 % ON<br>6 cyc/mn AC-53A 50 % ON   |
| Mounting mode                          | By clips  |
| Mounting support                       | DIN rail  |
| Connections - terminals                | Spring clamp terminals 1 cable 0.2...2.5 mm <sup>2</sup> - cable stiffness: rigid<br>Spring clamp terminals 1 cable 0.25...2.5 mm <sup>2</sup> - cable stiffness: flexible - with cable end<br>Spring clamp terminals 1 cable 0.2...2.5 mm <sup>2</sup> - cable stiffness: flexible - without cable end |
| Certifications                         | CE<br>ATEX as associated device for motor protection in zones 1 and 21<br>CULus   |
| Standards                              | IEC 60947-4-2<br>UL 60947-4-1   |
| [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  |
| Product weight                         | 212 g   |

## Environment

|                                       |  |
|---------------------------------------|--|
| IP degree of protection               | IP20   |
| Protective treatment                  | TC   |
| Ambient air temperature for operation | -25...30 °C without derating<br>> 30...70 °C with derating |
| Ambient air temperature for storage   | -40...80 °C  |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| RoHS (date code: YYWW)           | Compliant - since 1526 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| Product environmental profile    | Available<br><a href="#">Product environmental</a>  |
| Product end of life instructions | Available   |