



### Main

|                                     |  |
|-------------------------------------|--|
| 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      | 2.4 A 500 V AC-51<br>2.4 A 500 V AC-53A<br>2.4 A 500 V AC-51 mounting side by side<br>2.4 A 500 V AC-53A mounting side by side   |
| Thermal protection adjustment range | 0.18...2.4 A   |
| Motor power kW                      | 0.37 KW 220 V AC 0.65<br>0.37 KW 230 V AC 0.65<br>0.75 KW 380 V AC 0.65<br>0.75 KW 400 V AC 0.65<br>0.75 KW 415 V AC 0.65<br>0.75 KW 440 V AC 0.65<br>1.1 kW 500 V AC 0.65 |
| Maximum Horse Power Rating          | 0.5 Hp 200 V AC<br>0.5 Hp 230 V AC<br>1 hp 460 V AC  |
| [Uc] control circuit voltage        | 24 V DC  |
| Safety level                        | SIL 3 IEC 61508-1 stop function<br>PL = e ISO 13849-1 stop function<br>SIL 2 IEC 61508-1 motor protection  |
| Safety reliability data             | MTTFd = 517 years stop function<br>PFHd = 2.67E-9 1/h stop function<br>SFF = 99 % stop function<br>SFF = 99 % motor protection<br>MTTFd = 447 years motor protection       |
| Thermal overload class              | Class 10A 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 24 V DC  |
| Reset                          | Manual<br>Electrical reset  |
| Electrical durability          | 30 Mcycles  |
| Maximum operating rate         | 120 Cyc/Mn AC-51 50 %<br>6 cyc/mn AC-53A 50 %   |
| Mounting mode                  | By clips  |
| Mounting support               | DIN rail  |
| Connections - terminals        | Spring clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) rigid<br>Spring clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) flexible - with cable end<br>Spring clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) flexible - without cable end |
| Certifications                 | ATEX as associated device for motor protection in zones 1 and 21<br>CE<br>CULus   |

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|  |                               |
|--|-------------------------------|
| 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                             |
| Maximum 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

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

## Ordering and shipping details

|                       |   |
|-----------------------|---|
| Category              | 22349 - TESYS H ELECTRONIC STARTER 0-6.5A |
| Discount Schedule     | I12                                       |
| GTIN                  | 00785901716464                            |
| Nbr. of units in pkg. | 1   |
| Package weight(Lbs)   | 0.5 lb(US) (0.23 kg)                      |
| Returnability         | No  |
| Country of origin     | DE  |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 1.26 in (3.2 cm)       |
| Package 1 width              | 4.72 in (12 cm)        |
| Package 1 Length             | 4.72 in (12 cm)        |
| Unit Type of Package 2       | S01                    |
| Number of Units in Package 2 | 10                     |
| Package 2 Weight             | 6.07 lb(US) (2.755 kg) |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 width              | 5.91 in (15 cm)        |
| Package 2 Length             | 15.75 in (40 cm)       |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| California proposition 65  | WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov   |
| REACH Regulation           | <a href="#">REACH Declaration</a>  |
| REACH free of SVHC         | Yes  |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free     | Yes  |
| Mercury free               | Yes  |
| RoHS exemption information | <a href="#">Yes</a>  |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>  |
| Circularity Profile        | <a href="#">End Of Life Information</a>  |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |