



### 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      | 6.5 A 500 V AC-53A<br>9 A 500 V AC-51<br>5 A 500 V AC-53A mounting side by side<br>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<br>1.5 KW 230 V AC 0.65<br>2.2 KW 380 V AC 0.65<br>3 KW 400 V AC 0.65<br>3 KW 415 V AC 0.65<br>3 KW 440 V AC 0.65<br>3 kW 500 V AC 0.65         |
| Maximum Horse Power Rating          | 1 Hp 200 V AC<br>1.5 Hp 230 V AC<br>3 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>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 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        | Screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) rigid<br>Screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.25...2.5 mm <sup>2</sup> ) flexible - with cable end<br>Screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.2...2.5 mm <sup>2</sup> ) 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)                                                                                                                                                                                                                                                        |

|                                        |                                                                                 |
|----------------------------------------|---------------------------------------------------------------------------------|
| Certifications                         | ATEX as associated device for motor protection in zones 1 and 21<br>CE<br>CULus |
| Standards                              | UL 60947-4-1<br>IEC 60947-4-2                                                   |
| [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)                                                               |
| Maximum Height                         | 3.90 in (99 mm)                                                                 |
| Maximum 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...86 °F (-25...30 °C) without derating<br>86...158 °F (30...70 °C) with 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                  | 00785901462958                            |
| Nbr. of units in pkg. | 1                                         |
| Package weight(Lbs)   | 0.56 lb(US) (0.25 kg)                     |
| Returnability         | Yes                                       |
| Country of origin     | DE                                        |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| 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)      |
| Unit Type of Package 2       | S01                    |
| Number of Units in Package 2 | 10                     |
| Package 2 Weight             | 5.99 lb(US) (2.718 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                                                                                                        |
| 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. |