

# Product data sheet

Specifications



## Electronic over current relays, TeSys LT47, manual, 0.5 to 6A, 24VAC/DC

LT4706BS

### Main

|                                     |                                                                                                                                                      |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                               | TeSys                                                                                                                                                |
| Product Name                        | TeSys LT                                                                                                                                             |
| Product Or Component Type           | Electronic over current relay                                                                                                                        |
| Device Short Name                   | LT47                                                                                                                                                 |
| Device Application                  | Protection                                                                                                                                           |
| Relay Application                   | Locked rotor, mechanical jamming $I > 3 \times I_{\text{setting}}$<br>Overload $I_{\text{max}} > I_{\text{setting}}$<br>Sensitivity to phase failure |
| [Us] Rated Supply Voltage           | 24 V AC<br>24 V DC                                                                                                                                   |
| Thermal Protection Adjustment Range | 0.5...6 A                                                                                                                                            |
| [Ui] Rated Insulation Voltage       | Power circuit: 600 V AC conforming to CSA<br>Power circuit: 600 V AC conforming to UL<br>Power circuit: 690 V AC conforming to IEC 60947-4-1         |

### Complementary

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network Frequency                           | 50...60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mounting Support                            | Rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Tripping Threshold                          | 0.5...5 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Electromagnetic Compatibility               | Resistance to electrostatic discharge: 8 kV in open air conforming to IEC 61000-4-2<br>Resistance to electrostatic discharge: 6 kV in direct mode conforming to IEC 61000-4-2<br>Conducted emission: class A conforming to EN 55011<br>Immunity to electromagnetic interference: 10 V/m conforming to IEC 61000-4-3<br>Immunity to fast transients: 2 kV conforming to IEC 61000-4-4<br>Surge withstand: 6 kV conforming to IEC 61000-4-5<br>Conducted HF disturbances: 10 V conforming to IEC 61000-4-6 |
| Auxiliary Contact Composition               | 1 NO + 1 NC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| [Ith] Conventional Free Air Thermal Current | 3 A for signalling circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Associated Fuse Rating                      | 3 A gG for signalling circuit<br>3 A BS for signalling circuit                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| [Uimp] Rated Impulse Withstand Voltage      | 6 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Time Range                                  | 0.5..30 s - control type D-time<br>0.3...10 s - control type O-time                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Local Signalling                            | 1 LED (green)<br>1 LED (red)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Control Type                                | push-button: reset<br>electrical: reset                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connections - Terminals | Signalling circuit: screw clamp terminals 1 1...2.5 mm² - cable stiffness: flexible with cable end<br>Signalling circuit: screw clamp terminals 1 1...2.5 mm² - cable stiffness: flexible without cable end<br>Signalling circuit: screw clamp terminals 2 1...2.5 mm² - cable stiffness: flexible with cable end<br>Signalling circuit: screw clamp terminals 2 1...2.5 mm² - cable stiffness: flexible without cable end |
| Tightening Torque       | Signalling circuit: 1.7 N.m M3.5                                                                                                                                                                                                                                                                                                                                                                                           |
| Height                  | 70.3 mm                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Width                   | 71 mm                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Depth                   | 77.2 mm                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Net Weight              | 0.192 kg                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Environment

|                                       |                                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------------------------|
| Standards                             | IEC 60947<br>IEC 60255-6                                                                            |
| Product Certifications                | UL<br>CSA                                                                                           |
| Protective Treatment                  | TH conforming to IEC 60068                                                                          |
| Ip Degree Of Protection               | IP20 conforming to IEC 60529<br>IP20 conforming to VDE 0106                                         |
| Ambient Air Temperature For Operation | -25...60 °C without derating conforming to IEC 60947-4-1                                            |
| Ambient Air Temperature For Storage   | -30...80 °C                                                                                         |
| Operating Altitude                    | 2000 m                                                                                              |
| Mechanical Robustness                 | Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7<br>Vibrations: 4 gn conforming to IEC 60068-2-6 |
| Dielectric Strength                   | 2 kV at 50 Hz conforming to IEC 60255-5                                                             |

## Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type Of Package 1       | PCE    |
| Number Of Units In Package 1 | 1      |
| Package 1 Height             | 7 cm   |
| Package 1 Width              | 8 cm   |
| Package 1 Length             | 8.5 cm |
| Package 1 Weight             | 192 g  |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

## Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant with Exemptions

China Rohs Regulation

[China RoHS declaration](#)

Product out of China RoHS scope. Substance declaration for your information

Weee

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

Circularity Profile

[End of Life Information](#)

California Proposition 65

WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)