# Product data sheet
## Characteristics

# LT4760BS
## TeSys LT47 electronic over current relays - manual - 5...60 A - 24 V AC/DC



## Main

| | |
|---|---|
| Range of product | TeSys LT electronic over current relays |
| 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 x Isetting<br>Overload Imax > Isetting<br>Sensitivity to phase failure |
| [Us] rated supply voltage | 24 V DC<br>24 V AC |
| Thermal protection adjustment range | 5...60 A |
| [Ui] rated insulation voltage | 600 V AC power circuit conforming to CSA<br>600 V AC power circuit conforming to UL<br>690 V AC power circuit conforming to IEC 60947-4-1 |

## Complementary

| | |
|---|---|
| Network frequency | 50...60 Hz |
| Mounting support | Rail |
| Tripping threshold | 5...50 A |
| Electromagnetic compatibility | Conducted emission class A conforming to EN 55011<br>Immunity to electromagnetic interference 10 V/m conforming to IEC 61000-4-3<br>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>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) |

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

| | |
|---|---|
| | 1 LED (red) |
| Control type | Push-button for reset mode<br>Electrical for reset mode |
| Connections - terminals | Signalling circuit : screw clamp terminals 1 cable(s) 1...2.5 mm² - cable stiffness: flexible - with cable end cable end<br>Signalling circuit : screw clamp terminals 1 cable(s) 1...2.5 mm² - cable stiffness: flexible - without cable end cable end<br>Signalling circuit : screw clamp terminals 2 cable(s) 1...2.5 mm² - cable stiffness: flexible - with cable end cable end<br>Signalling circuit : screw clamp terminals 2 cable(s) 1...2.5 mm² - cable stiffness: flexible - without cable end cable end |
| Tightening torque | Signalling circuit : 1.7 N.m screw : M3.5 |
| Height | 70.3 mm |
| Width | 71 mm |
| Depth | 77.2 mm |
| Product weight | 0.192 kg |
| Compatibility code | LT47 |

## Environment

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|---|---|
| Standards | IEC 60255-6<br>IEC 60947 |
| Product certifications | CSA<br>UL |
| Protective treatment | TH conforming to IEC 60068 |
| IP degree of protection | IP20 conforming to VDE 0106<br>IP20 conforming to IEC 60529 |
| 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 IEC 60068-2-7<br>Vibrations 4 gn IEC 60068-2-6 |
| Dielectric strength | 2 kV at 50 Hz conforming to IEC 60255-5 |

## Contractual warranty

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