

# LT4730M7S

## TeSys LT47 electronic over current relays - manual - 3...30 A - 200...240 V AC

### Main

|                                     |  |
|-------------------------------------|--|
| Range of product                    | TeSys LT electronic over current relays  |
| Product or component type           | Electronic over current relay  |
| Device short name                   | LT47   |
| 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           | 200...240 V AC   |
| Thermal protection adjustment range | 3...30 A   |
| [Ui] rated insulation voltage       | 690 V AC power circuit conforming to IEC 60947-4-1<br>600 V AC power circuit conforming to UL<br>600 V AC power circuit conforming to CSA            |

### Complementary

|   |  |
|---|--|
| Network frequency                           | 50...60 Hz   |
| Mounting support                            | Rail   |
| Tripping threshold                          | 3...25 A   |
| Electromagnetic compatibility               | Conducted HF disturbances 10 V conforming to IEC 61000-4-6<br>Surge withstand 6 kV conforming to IEC 61000-4-5<br>Immunity to fast transients 2 kV conforming to IEC 61000-4-4<br>Resistance to electrostatic discharge 6 kV in direct mode conforming to IEC 61000-4-2<br>Resistance to electrostatic discharge 8 kV in open air conforming to IEC 61000-4-2<br>Immunity to electromagnetic interference 10 V/m conforming to IEC 61000-4-3<br>Conducted emission class A conforming to EN 55011                      |
| Auxiliary contact composition               | 1 NO + 1 NC  |
| [Ith] conventional free air thermal current | 3 A for signalling circuit   |
| Associated fuse rating                      | 3 A BS for signalling circuit<br>3 A gG for signalling circuit   |
| [Uimp] rated impulse withstand voltage      | 6 kV   |
| Time range                                  | 0.3...10 s - control type O-time<br>0.5...30 s - control type D-time   |
| Local signalling                            | 1 LED (red)<br>1 LED (green)   |
| Control type                                | Electrical for reset mode<br>Pushbutton for reset mode   |
| Connections - terminals                     | Signalling circuit: screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> - cable stiffness: flexible - without cable end<br>Signalling circuit: screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> - cable stiffness: flexible - with cable end<br>Signalling circuit: screw clamp terminals 1 cable(s) 1...2.5 mm <sup>2</sup> - cable stiffness: flexible - without cable end<br>Signalling circuit: screw clamp terminals 1 cable(s) 1...2.5 mm <sup>2</sup> - cable stiffness: flexible - with cable end |
| Tightening torque                           | Signalling circuit: 0.8...1.7 N.m screw : M3.5   |
| Height                                      | 70.3 mm  |
| Width                                       | 71 mm  |
| Depth                                       | 77.2 mm  |
| Product weight                              | 0.192 kg   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |   |
|---------------------------------------|---|
| 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                 | Vibrations 4 gn IEC 60068-2-6<br>Shocks 15 Gn for 11 ms IEC 60068-2-7 |
| Dielectric strength                   | 2 kV at 50 Hz conforming to IEC 60255-5                               |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|