

# Product datasheet

Specifications



## TeSys LT47 electronic over current relays - automatic - 5...60 A - 48 V AC/DC

LT4760EA

⚠ Discontinued on: 12 May 2023

⚠ Discontinued

### Main

Range	TeSys
Product name	TeSys LT
Product or component type	Electronic overcurrent relay
Device short name	LT47
Device application	Protection
Relay application	Overload $I_{max} > I_{setting}$ Locked rotor, mechanical jamming $I > 3 \times I_{setting}$ Sensitivity to phase failure
[Us] rated supply voltage	48 V AC 48 V DC
Thermal protection adjustment range	5...60 A
[Ui] rated insulation voltage	Power circuit: 600 V AC conforming to CSA Power circuit: 600 V AC conforming to UL Power circuit: 690 V AC conforming to IEC 60947-4-1

### Complementary

Network frequency	50...60 Hz
Mounting support	Rail
Tripping threshold	5...50 A
Electromagnetic compatibility	Resistance to electrostatic discharge: 8 kV in open air conforming to IEC 61000-4-2 Resistance to electrostatic discharge: 6 kV in direct mode conforming to IEC 61000-4-2 Conducted emission: class A conforming to EN 55011 Immunity to electromagnetic interference: 10 V/m conforming to IEC 61000-4-3 Immunity to fast transients: 2 kV conforming to IEC 61000-4-4 Surge withstand: 6 kV conforming to IEC 61000-4-5 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 3 A BS for signalling circuit
[Uimp] rated impulse withstand voltage	6 kV
Time range	1...120 s - control type R-time 0.3...30 s - control type O-time
Local signalling	1 LED (green) 1 LED (red)
Control type	automatic: reset

<b>Connections - terminals</b>	Signalling circuit: screw clamp terminals 1 1...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end Signalling circuit: screw clamp terminals 1 1...2.5 mm <sup>2</sup> - cable stiffness: flexible without cable end Signalling circuit: screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: flexible with cable end Signalling circuit: screw clamp terminals 2 1...2.5 mm <sup>2</sup> - cable stiffness: flexible without cable end
<b>Tightening torque</b>	Signalling circuit: 1.7 N.m M3.5
<b>Height</b>	70.3 mm
<b>Width</b>	71 mm
<b>Depth</b>	77.2 mm
<b>Net weight</b>	0.192 kg

## Environment

<b>Standards</b>	IEC 60947 IEC 60255-6
<b>Product certifications</b>	CSA UL
<b>Protective treatment</b>	TH conforming to IEC 60068
<b>IP degree of protection</b>	IP20 conforming to IEC 60529 IP20 conforming to VDE 0106
<b>Ambient air temperature for operation</b>	-25...60 °C without derating conforming to IEC 60947-4-1
<b>Ambient air temperature for storage</b>	-30...80 °C
<b>Operating altitude</b>	2000 m
<b>Mechanical robustness</b>	Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7 Vibrations: 4 gn conforming to IEC 60068-2-6
<b>Dielectric strength</b>	2 kV at 50 Hz conforming to IEC 60255-5

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	6.6 cm
<b>Package 1 Width</b>	8.3 cm
<b>Package 1 Length</b>	7.6 cm
<b>Package 1 Weight</b>	193 g

## Contractual warranty

<b>Warranty (in months)</b>	18
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better

#### Materials and Packaging

EU RoHS Directive

[Compliant](#)

### Use Longer

#### Lifetime extension

Repair

No

### Use Again

#### Repack and remanufacture

WEEE Label



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