

# Product datasheet

Specifications



## TeSys LT47 electronic over current relays - manual - 0.5...6 A - 48 V AC/DC

LT4706ES

⚠ Discontinued on: May 12, 2023

⚠ Discontinued

### Main

Range	TeSys
Product Name	TeSys LT
Product Or Component Type	Electronic over current relay
Device Short Name	LT47
Device Application	Protection
Relay Application	Overload $I_{max} > I_{setting}$ Sensitivity to phase failure Locked rotor, mechanical jamming $I > 3 \times I_{setting}$
[Us] Rated Supply Voltage	48 V AC 48 V DC
Thermal Protection Adjustment Range	0.5...6 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	0.5...5 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	0.5..30 s - control type D-time 0.3...10 s - control type O-time
Local Signalling	1 LED (green) 1 LED (red)
Control Type	push-button: reset 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 Signalling circuit: screw clamp terminals 1 1...2.5 mm² - cable stiffness: flexible without cable end Signalling circuit: screw clamp terminals 2 1...2.5 mm² - cable stiffness: flexible with cable end 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 IEC 60255-6
Product Certifications	CSA UL
Protective Treatment	TH conforming to IEC 60068
Ip Degree Of Protection	IP20 conforming to IEC 60529 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 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	6.6 cm
Package 1 Width	8.3 cm
Package 1 Length	7.6 cm
Package 1 Weight	197 g

## Contractual warranty

Warranty	18 months
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# 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

<div><div>✓</div><div>Reach Free Of Svhc</div></div>	
<div><div>✓</div><div>Mercury Free</div></div>	
<div><div>✓</div><div>Rohs Exemption Information</div></div>	<div>Yes</div>
<div>Eu Rohs Directive</div>	<div><div>Compliant</div><div><a href="#">EU RoHS Declaration</a></div></div>
<div>China Rohs Regulation</div>	<div><div><a href="#">China RoHS declaration</a></div><div>Product out of China RoHS scope. Substance declaration for your information</div></div>
<div>Weee</div>	<div>The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins</div>