

# Product data sheet

Specifications



## Electronic over current relays, TeSys LT47, manual, 0.5 to 6A, 100 to 120VAC

LT4706F7S

### 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 $I > 3 \times I_{\text{setting}}$ Sensitivity to phase failure Overload $I_{\text{max}} > I_{\text{setting}}$
[Us] rated supply voltage	100...120 V AC
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

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

electrical: 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 60255-6 IEC 60947
<b>Product certifications</b>	UL CSA
<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>	7.11 cm
<b>Package 1 Width</b>	9.14 cm
<b>Package 1 Length</b>	8.38 cm
<b>Package 1 Weight</b>	0.2 kg
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	16
<b>Package 2 Height</b>	15 cm
<b>Package 2 Width</b>	30 cm
<b>Package 2 Length</b>	40 cm
<b>Package 2 Weight</b>	3.655 kg

## Offer Sustainability

<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>REACH free of SVHC</b>	Yes
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information

---

<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>California proposition 65</b>	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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

---

## Contractual warranty

---

**Warranty** 18 months

## Recommended replacement(s)