

# Product data sheet

Specifications



## TeSys LT47 electronic over current relays - manual - 0.5...6 A - 200...240 V AC

LT4706M7S

### 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	200...240 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

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 Weight</b>	190.0 g
<b>Package 1 Height</b>	6.762 cm
<b>Package 1 width</b>	7.774 cm
<b>Package 1 Length</b>	8.483 cm
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	16
<b>Package 2 Weight</b>	3.641 kg
<b>Package 2 Height</b>	15 cm
<b>Package 2 width</b>	30 cm
<b>Package 2 Length</b>	40 cm
<b>Unit Type of Package 3</b>	PAL
<b>Number of Units in Package 3</b>	256
<b>Package 3 Weight</b>	67.236 kg
<b>Package 3 Height</b>	80 cm
<b>Package 3 width</b>	80 cm
<b>Package 3 Length</b>	60 cm

## Offer Sustainability

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REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	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>

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## Contractual warranty

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Warranty	18 months
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