Product data sheet
Characteristics

LT4760F7S
Electronic over current relays, TeSys LT47, manual, 5 to 60A, 100 to 120VAC



Main

Range	TeSys
Product name	TeSys LT
Product or component type	Electronic overcurrent relay
Device short name	LT47
Device application	Protection
Relay application	Sensitivity to phase failure Locked rotor, mechanical jamming I > 3 x Isetting Overload Imax > Isetting
[Us] rated supply voltage	100...120 V AC
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	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
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 e 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 e
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 60255-6 IEC 60947
Product certifications	UL[RETURN]CSA
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	6.500 Cm
Package 1 Width	7.800 Cm
Package 1 Length	8.500 Cm
Package 1 Weight	199.000 G
Unit Type of Package 2	S02
Number of Units in Package 2	16
Package 2 Height	15.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	3.632 Kg

Offer Sustainability

Recyclability potential, in %	15
Total lifecycle Carbon footprint	51 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	4.247258948381599
Carbon footprint of the manufacturing phase [A1 to A3]	4 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.19867372929561006
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0016782899934176486
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	46.195656089438586
Carbon footprint of the use phase [B2, B3, B4, B6]	46 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.2959223984534747
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	51
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	99e36f9f-1e4f-4e3a-a849-bdda6ef53eb9
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
End of life manual availability	End Of Life Information

Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised