Product data sheet
Characteristics

LT4760BS
Electronic over current relays, TeSys LT47, manual, 5 to 60A, 24VAC/DC



Main

Range	TeSys
Product name	TeSys LT
Product or component type	Electronic overcurrent relay
Device short name	LT47
Device application	Protection
Relay application	Overload Imax > Isetting Sensitivity to phase failure Locked rotor, mechanical jamming I > 3 x Isetting
[Us] rated supply voltage	24 V AC 24 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	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 60947 IEC 60255-6
Product certifications	CSA[RETURN]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	7 Cm
Package 1 Width	8 Cm
Package 1 Length	8.7 Cm
Package 1 Weight	191 G
Unit Type of Package 2	S02
Number of Units in Package 2	16
Package 2 Height	15 Cm
Package 2 Width	30 Cm
Package 2 Length	40 Cm
Package 2 Weight	3.525 Kg

Offer Sustainability

Recyclability potential, in %	15
Total lifecycle Carbon footprint	97 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	4.173576637009426
Carbon footprint of the manufacturing phase [A1 to A3]	4 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1952270970649551
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0016491746775467104
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	92.39131217887717
Carbon footprint of the use phase [B2, B3, B4, B6]	92 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.29078867654721857
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	97
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