Product data sheet
Characteristics

LT4730BA
TeSys LT47 electronic over current relays - automatic - 3...30 A - 24 V AC/DC



Main

Range of product	TeSys LT electronic over current relays
Product or component type	Electronic over current relay
Device short name	LT47
Relay application	Locked rotor, mechanical jamming I > 3 x Isetting Overload Imax > Isetting Sensitivity to phase failure
[Us] rated supply voltage	24 V DC 24 V AC
Thermal protection adjustment range	3...30 A
[Ui] rated insulation voltage	690 V AC power circuit conforming to IEC 60947-4-1 600 V AC power circuit conforming to UL 600 V AC power circuit conforming to CSA

Complementary

Network frequency	50...60 Hz
Mounting support	Rail
Tripping threshold	3...25 A
Electromagnetic compatibility	Conducted HF disturbances 10 V conforming to IEC 61000-4-6 Surge withstand 6 kV conforming to IEC 61000-4-5 Immunity to fast transients 2 kV conforming to IEC 61000-4-4 Resistance to electrostatic discharge 6 kV in direct mode conforming to IEC 61000-4-2 Resistance to electrostatic discharge 8 kV in open air conforming to IEC 61000-4-2 Immunity to electromagnetic interference 10 V/m conforming to IEC 61000-4-3 Conducted emission class A conforming to EN 55011
Auxiliary contact composition	1 NO + 1 NC
[Ith] conventional free air thermal current	3 A for signalling circuit
Associated fuse rating	3 A BS for signalling circuit 3 A gG for signalling circuit
[Uimp] rated impulse withstand voltage	6 kV
Time range	0.3...30 s - control type O-time 1...120 s - control type R-time
Local signalling	1 LED (red) 1 LED (green)
Control type	Automatic for reset mode
Connections - terminals	Signalling circuit: screw clamp terminals 2 cable(s) 1...2.5 mm² - cable stiffness: flexible - without cable end Signalling circuit: screw clamp terminals 2 cable(s) 1...2.5 mm² - cable stiffness: flexible - with cable end Signalling circuit: screw clamp terminals 1 cable(s) 1...2.5 mm² - cable stiffness: flexible - without cable end Signalling circuit: screw clamp terminals 1 cable(s) 1...2.5 mm² - cable stiffness: flexible - with cable end
Tightening torque	Signalling circuit: 0.8...1.7 N.m screw : M3.5
Height	70.3 mm
Width	71 mm
Depth	77.2 mm
Product weight	0.192 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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Environment

Standards	IEC 60255-6 IEC 60947
Product certifications	CSA UL
Protective treatment	TH conforming to IEC 60068
IP degree of protection	IP20 conforming to VDE 0106 IP20 conforming to IEC 60529
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	Vibrations 4 gn IEC 60068-2-6 Shocks 15 Gn for 11 ms IEC 60068-2-7
Dielectric strength	2 kV at 50 Hz conforming to IEC 60255-5

Contractual warranty

Period	18 months