



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 CSA Power circuit 600 V AC UL Power circuit 690 V AC 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 IEC 61000-4-2 Resistance to electrostatic discharge 6 kV in direct mode IEC 61000-4-2 Conducted emission class A EN 55011 Immunity to electromagnetic interference 10 V/m IEC 61000-4-3 Immunity to fast transients 2 kV IEC 61000-4-4 Surge withstand 6 kV IEC 61000-4-5 Conducted HF disturbances 10 V IEC 61000-4-6
Auxiliary contact composition	1 NO + 1 NC
[Ith] conventional free air thermal current	3 A signalling circuit
Associated fuse rating	3 A gG signalling circuit 3 A BS signalling circuit
[Uimp] rated impulse withstand voltage	6 kV
Time range	0.5...30 s D-time 0.3...10 s 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 0.00...0.00 in ² (1...2.5 mm ²) flexible with cable end Signalling circuit screw clamp terminals 1 0.00...0.00 in ² (1...2.5 mm ²) flexible without cable end Signalling circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) flexible with cable end Signalling circuit screw clamp terminals 2 0.00...0.00 in ² (1...2.5 mm ²) flexible without cable end
Tightening torque	Signalling circuit 15.05 lbf.in (1.7 N.m) M3.5
Height	2.77 in (70.3 mm)
Width	2.80 in (71 mm)
Depth	3.04 in (77.2 mm)
Product Weight	0.42 lb(US) (0.192 kg)

Environment

Standards	IEC 60255-6 IEC 60947
Product Certifications	UL CSA
Protective treatment	TH IEC 60068
IP degree of protection	IP20 conforming to IEC 60529 IP20 conforming to VDE 0106
Ambient air temperature for operation	-13...140 °F (-25...60 °C) without derating IEC 60947-4-1
Ambient Air Temperature for Storage	-22...176 °F (-30...80 °C)
Operating altitude	6561.68 ft (2000 m)
Mechanical robustness	Shocks15 Gn for 11 ms IEC 60068-2-7 Vibrations4 gn IEC 60068-2-6
Dielectric strength	2 kV 50 Hz IEC 60255-5

Ordering and shipping details

Category	18400 - WORLD SERVICE PARTS(CONTACTORS)
Discount Schedule	CP10
GTIN	8809755436469
Nbr. of units in pkg.	1
Package weight(Lbs)	7.05 oz (200 g)
Returnability	Yes
Country of origin	KR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.60 in (6.6 cm)
Package 1 width	3.27 in (8.3 cm)
Package 1 Length	2.99 in (7.6 cm)

Offer Sustainability

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 www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
----------	-----------