Product datasheet

Specifications



TeSys LRD differential thermal overload relay 62-80A class10A EverLink

LRD380

EAN Code: 3606481311986

Main

Range	TeSys TeSys Deca
Product name	TeSys LRD TeSys Deca
Product or component type	Differential thermal overload relay
Device short name	LRD
Relay application	Motor protection
Product compatibility	LC1D80A
Network type	AC DC
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	62…80 A
[Ui] rated insulation voltage	Power circuit: 690 V conforming to IEC 60947-4-1 Power circuit: 600 V conforming to UL 60947-4-1 Power circuit: 600 V conforming to CSA C22.2 No 14

Complementary

Network frequency	0...400 Hz
Mounting support	Plate, with terminal block LAD96560 on top Rail, with terminal block LAD96560 on top Direct mounting under contactor
Tripping threshold	1.14 +/- 0.06 Ir conforming to IEC 60947-4-1
Auxiliary contact composition	1 NO + 1 NC
[Ith] conventional free air thermal current	5 A for signalling circuit
Permissible current	0.95 A at 380 V AC-15 for signalling circuit 0.06 A at 440 V DC-13 for signalling circuit
[Ue] rated operational voltage	690 V AC 0...400 Hz for power circuit conforming to IEC 60947-4-1
Associated fuse rating	4 A gG for signalling circuit 4 A BS for signalling circuit
[Uimp] rated impulse withstand voltage	6 kV
Power dissipation per pole	4.8 W
Phase failure sensitivity	Tripping current 130 % of Ir on two phase, the last one at 0
Control type	Red push-button: stop Blue push-button: reset
Temperature compensation	-20…60 °C

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Connections - terminals	Control circuit: screw clamp terminals 2 cable(s) 1…2.5 mm² flexible with cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1…35 mm² flexible with cable end Power circuit: EverLink BTR screw connectors 1 cable(s) 1…35 mm² solid Control circuit: screw clamp terminals 2 cable(s) 1…2.5 mm² solid Control circuit: screw clamp terminals 2 cable(s) 1…2.5 mm² flexible Power circuit: EverLink BTR screw connectors 1 cable(s) 1…35 mm² flexible Power circuit: direct terminal link on top
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 5 N.m - on EverLink BTR screw connectors - cable 25 mm² Power circuit: 8 N.m - on EverLink BTR screw connectors - cable 35 mm²
Height	70 mm
Width	55 mm
Depth	123 mm
Product weight	0.375 kg

Environment

Climatic withstand	conforming to IACS E10
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-20…60 °C without derating conforming to IEC 60947-4-1
Ambient air temperature for storage	-60…70 °C
Flame retardance	V1 conforming to UL 94
Mechanical robustness	Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7 Vibrations: 3 GN conforming to IEC 60068-2-6
Dielectric strength	1.89 kV at 50 Hz conforming to IEC 60947-1
Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 UL 60947-5-1 CSA C22.2 No 60947-4-1 CSA C22.2 No 60947-5-1 GB/T 14048.4 GB/T 14048.5
Product certifications	IEC UL CSA CCC EAC DNV-GL RMRS EU-RO MR UKCA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.000 cm
Package 1 Width	10.500 cm
Package 1 Length	13.500 cm
Package 1 Weight	392.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	13
Package 2 Height	15.000 cm

Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.383 kg

Logistical informations

Country of origin	FR

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**4 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**0.5 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.5 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.1 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**2 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.9 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant**
REACh Regulation	**Free of Substances of Very High Concern above the threshold**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**27**
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 and never end up in rubbish bins**

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



Technical Illustration

Assembly's dimensions

