Product datasheet

Specifications

Green Premium™

TeSys LRD thermal overload relays - 9...13 A - class 20

LRD16L

EAN Code: 3606480609602

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	LC1D25 LC1D38 LC1D12 LC1D32 LC1D18
Network Type	DC AC
Thermal Overload Class	Class 20 conforming to IEC 60947-4-1
Thermal Protection Adjustment Range	9…13 A
[Ui] Rated Insulation Voltage	Power circuit: 600 V conforming to CSA Power circuit: 600 V conforming to UL Power circuit: 690 V conforming to IEC 60947-4-1

Complementary

Network Frequency	0...400 Hz
Mounting Support	Plate, with specific accessories Rail, with specific accessories 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	3 A at 120 V AC-15 for signalling circuit 0.22 A at 125 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
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

Connections - Terminals	Control circuit: screw clamp terminals 2 cable(s) 1…2.5 mm² flexible without cable end
	Control circuit: screw clamp terminals 2 cable(s) 1…2.5 mm² flexible with cable end
	Control circuit: screw clamp terminals 2 cable(s) 1…2.5 mm² solid without cable end
	Power circuit: screw clamp terminals 1 cable(s) 1.5…10 mm² flexible without cable end
	Power circuit: screw clamp terminals 1 cable(s) 1…4 mm² flexible with cable end
	Power circuit: screw clamp terminals 1 cable(s) 1…6 mm² solid without cable end
Tightening Torque	Control circuit: 1.7 N.m - on screw clamp terminals
	Power circuit: 1.7 N.m - on screw clamp terminals
Height	66 mm
Width	45 mm
Depth	76 mm
Net Weight	0.144 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
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
	EN 50495
Product Certifications	IEC
	UL
	CSA
	EAC
	ABS
	ATEX INERIS
	UKCA

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.3 cm
Package 1 Width	7.2 cm
Package 1 Length	4.5 cm
Package 1 Weight	180.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	24
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.775 kg

Unit Type Of Package 3	P12
Number Of Units In Package 3	768
Package 3 Height	80.0 cm
Package 3 Width	75.0 cm
Package 3 Length	120.0 cm
Package 3 Weight	111.36 kg

Contractual warranty

Warranty	18 months

Sustainability ![Green Premium™]

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency   RoHS/REACh

Well-being performance

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Certifications & Standards

Reach Regulation   REACh Declaration

Eu Rohs Directive   Compliant

                                  EU RoHS Declaration

China Rohs Regulation   China RoHS declaration

                                  Pro-active China RoHS declaration (out of China RoHS legal scope)

Environmental Disclosure   Product Environmental Profile

Weee   The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile   End of Life Information