Product datasheet





TeSys LRD thermal overload relays - 90...150 A - class 10

LR9D5369

Main

Range	TeSys
Product Name	TeSys LRD
	TeSys Deca
Product Or Component Type	Electronic thermal overload relay
Device Short Name	LR9D
Relay Application	Motor protection
Product Compatibility	NSX circuit breaker
	LC1D150
	LC1D115
Network Type	AC
Thermal Overload Class	Class 10 conforming to IEC 60947-4-1
Signalling Function	Alarm
Thermal Protection Adjustment Range	90150 A
[Ui] Rated Insulation Voltage	Power circuit: 1000 V conforming to IEC 60947-4-1
	Power circuit: 600 V conforming to CSA
	Power circuit: 600 V conforming to UL

Complementary

Network Frequency	5060 Hz
[Us] Rated Supply Voltage	24 V DC
Supply Voltage Limits	1732 V
Mounting Support	Under contactor Rail
Tripping Threshold	1.05 +/- 0.06 In alarm conforming to IEC 60947-4-1 1.12 +/- 0.06 In de-energisation conforming to IEC 60947-4-1
Auxiliary Contact Composition	1 NO + 1 NC
[Ith] Conventional Free Air Thermal Current	5 A for signalling circuit
[Ue] Rated Operational Voltage	690 V AC 0400 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 conforming to IEC 60947-1
Phase Failure Sensitivity	Tripping in 4 s +/- 20 % conforming to IEC 60947-4-1
Control Type	Red push-button: stop Blue push-button: reset
Temperature Compensation	-2060 °C

Life Is On Schneider 26-Apr-2024

Switching Capacity In Ma	0150 mA
Maximum Voltage Drop	<2.5 V closed state
Connections - Terminals	Power circuit: bars
	Control circuit: screw clamp terminals 1 cable(s) 0.51.5 mm² flexible without cable end
	Control circuit: screw clamp terminals 2 cable(s) 0.51.5 mm² flexible without cable end
	Alarm circuit: screw clamp terminals 1 cable(s) 0.51.5 mm² flexible without cable
	end
Tightening Torque	Alarm circuit: 0.45 N.m - on screw clamp terminals
	Power circuit: 18 N.m - on bars M8
	Control circuit: 1.2 N.m - on screw clamp terminals
Height	118 mm
Width	115 mm
Depth	125 mm
Net Weight	0.885 kg

Environment

Climatic Withstand	conforming to IACS E10
Ip Degree Of Protection	IP20 conforming to IEC 60529
Ambient Air Temperature For Operation	-2060 °C without derating conforming to IEC 60947-4-1
Ambient Air Temperature For Storage	-6070 °C
Operating Altitude	<= 2000 m without derating
Mechanical Robustness	Vibrations: 2 Gn, 5300 Hz conforming to IEC 60068-2-6 Shocks: 13 Gn for 11 ms conforming to IEC 60068-2-7
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	UL CSA CCC UKCA

Packing Units

•	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	15.000 cm
Package 1 Width	16.000 cm
Package 1 Length	13.000 cm
Package 1 Weight	924.000 g
Unit Type Of Package 2	S04
Number Of Units In Package 2	12
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm

Package 2 Length	60.000 cm
Package 2 Weight	11.880 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	48
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	56.804 kg

Contractual warranty

Warranty 18 months



Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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

②	Mercury Free	
	Rohs Exemption Information	Yes
	Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
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