# **Product datasheet**

Specifications





# TeSys LRD thermal overload relays - 90...150 A - class 20

LR9D5569

Local distributor code: 386424821

! Discontinued on: 9 Feb 2023

EAN Code: 3389110787948

#### ! Discontinued

### 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 LC1D115 LC1D150	
Network Type	AC	
Thermal Overload Class	Class 20 conforming to IEC 60947-4-1	
Signalling Function	Alarm	
Thermal Protection Adjustment Range	tection Adjustment 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	vity 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 0150 mA	
Switching Capacity In 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	15.500 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	11.909 ka	

## **Contractual warranty**

Warranty 18 months

## Sustainability Green Premium

**Green Premium**<sup>TM</sup> **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-CO<sub>2</sub> products.

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

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Transparency RoHS/REACh

### Well-being performance

<b>②</b>	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