Product datasheet

Specifications

Green Premium™

TeSys, Thermal overload relays, TeSys Deca, 90...150A, class 20

LR9D5569

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	90…150 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	50...60 Hz
[Us] Rated Supply Voltage	24 V DC
Supply Voltage Limits	17…32 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 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 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	-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

Switching Capacity In Ma	0...150 mA
Maximum Voltage Drop	<2.5 V closed state
Connections - Terminals	Power circuit: bars Control circuit: screw clamp terminals 1 cable(s) 0.5…1.5 mm² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 0.5…1.5 mm² flexible without cable end Alarm circuit: screw clamp terminals 1 cable(s) 0.5…1.5 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	-20…60 °C without derating conforming to IEC 60947-4-1
Ambient Air Temperature For Storage	-60…70 °C
Operating Altitude	<= 2000 m without derating
Mechanical Robustness	Vibrations: 2 Gn, 5...300 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 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ 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

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