Product data sheet

Specifications

electronic thermal overload relay, TeSys Deca, 90...150A, class 10...20

LR9D69

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 298.00 USD

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 10/20 IEC 60947-4-1
Signalling Function	Alarm
Thermal Protection Adjustment Range	90…150 A
[Ui] Rated Insulation Voltage	Power circuit 1000 V IEC 60947-4-1 Power circuit 600 V CSA Power circuit 600 V 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 IEC 60947-4-1 1.12 +/- 0.06 In de-energisation IEC 60947-4-1
Auxiliary Contact Composition	1 NO + 1 NC
[Ith] Conventional Free Air Thermal Current	5 A signalling circuit
[Ue] Rated Operational Voltage	690 V AC 0...400 Hz power circuit 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 IEC 60947-1
Phase Failure Sensitivity	Tripping in 4 s +/- 20 % IEC 60947-4-1
Control Type	Red push-button stop Blue push-button reset

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Temperature Compensation	-4…140 °F (-20…60 °C)
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 0.00…0.00 in² (0.5…1.5 mm²) flexible without cable end Control circuit screw clamp terminals 2 0.00…0.00 in² (0.5…1.5 mm²) flexible without cable end Alarm circuit screw clamp terminals 1 0.00…0.00 in² (0.5…1.5 mm²) flexible without cable end
Tightening Torque	Alarm circuit 3.98 lbf.in (0.45 N.m) screw clamp terminals Power circuit 159.31 lbf.in (18 N.m) bars M8 Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals
Height	4.65 in (118 mm)
Width	4.53 in (115 mm)
Depth	4.92 in (125 mm)
Net Weight	1.98 lb(US) (0.9 kg)

Environment

Climatic Withstand	IACS E10
Ip Degree Of Protection	IP20 conforming to IEC 60529
Ambient Air Temperature For Operation	-4…140 °F (-20…60 °C) without derating IEC 60947-4-1
Ambient Air Temperature For Storage	-76…158 °F (-60…70 °C)
Operating Altitude	<= 6561.68 ft (2000 m) without derating
Mechanical Robustness	Vibrations2 Gn, 5...300 Hz IEC 60068-2-6 Shocks13 Gn for 11 ms IEC 60068-2-7
Dielectric Strength	1.89 kV 50 Hz 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

Ordering and shipping details

Category	US10I1222347
Discount Schedule	0I12
Gtin	3606485335797
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.91 in (15.0 cm)

Package 1 Width	6.10 in (15.5 cm)
Package 1 Length	5.12 in (13.0 cm)
Package 1 Weight	31.89 oz (904.0 g)

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
California Proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov