Product data sheet

Specifications



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

LR9D69

To be discontinued on: Dec 31, 2026

To be discontinued

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

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 0.0008…0.002 in² (0.5…1.5 mm²) flexible without cable end Control circuit screw clamp terminals 2 0.0008…0.002 in² (0.5…1.5 mm²) flexible without cable end Alarm circuit screw clamp terminals 1 0.0008…0.002 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 159.3 lbf.in (18 N.m) bars M8 Control circuit 10.6 lbf.in (1.2 N.m) screw clamp terminals
Height	4.6 in (118 mm)
Width	4.5 in (115 mm)
Depth	4.9 in (125 mm)
Product Weight	2.0 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
Nbr. of units in pkg.	1
Package 1 Height	5.906 in (15.000 cm)

Package 1 Width	6.102 in (15.500 cm)
Package 1 Length	5.118 in (13.000 cm)
Package weight(Lbs)	31.887 oz (904.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	3
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	6.552 lb(US) (2.972 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	48
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	31.496 in (80.000 cm)
Package 3 Length	23.622 in (60.000 cm)
Package 3 Weight	122.471 lb(US) (55.552 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**133 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**4 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.6 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.1 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**127 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**2 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**D5a17874-1166-4927-b008-33d15e304a41**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
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**
PVC free	**Yes**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**92**
Circularity Profile	End of Life Information
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**