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



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	

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

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 60947-5-1 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

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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	920.000 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



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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	133
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	D5a17874-1166-4927-b008-33d15e304a41
China RoHS Regulation	China RoHS declaration
PVC free	Yes

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Take-back	No