## **LR9D67**

electronic thermal overload relay, TeSys Deca, 60...100A, class 10...20



iviaiii			a	II	1
---------	--	--	---	----	---

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 conforming to IEC 60947-4-1
Signalling function	Alarm
Thermal protection adjustment range	60100 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

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
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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.

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.

It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Depth	125 mm
Net weight	0.9 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
EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 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[RETURN]CSA[RETURN]CCC[RETURN]UKCA

## Offer Sustainability

Chor Guotamasmy	
Sustainable offer status	Green Premium product
REACh Regulation	<sup>™</sup> REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
RoHS exemption information	₫Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
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