

# Product data sheet

## Characteristics

# LR9D32

Overload relay, TeSys LRD, motor protection, 6.4A to 32A, 3 phase, withstand 6kV impulse, 2kV surge, electronic thermal



### Main

Range	TeSys
Product name	TeSys LRD
Device short name	LR9D
Product or Component Type	Electronic thermal overload relay
Relay application	Motor protection
Product Compatibility	LC1D09 LC1D25 LC1D32 LC1D38 LC1D12 LC1D18
Thermal overload class	Class 5...30
Thermal protection adjustment range	6.4...32 A
Power Consumption in W	300 mW
Mounting support	Under contactor Plate, with specific accessories Rail, with specific accessories

### Complementary

[Ue] rated operational voltage	690 V power circuit 660 V signalling circuit
[Ui] rated insulation voltage	Power circuit 1000 V Signalling circuit 690 V
Tripping threshold	1.25 In IEC 60947-4-1
Control type	Red push-button stop and manual reset White 2 microswitches adjustable trip class Red knob automatic reset Gray dial full-load current adjustment
Time range	1.5...4 min - automatic reset time
[Ith] conventional free air thermal current	5 A signalling circuit
Associated fuse rating	5 A gG for signalling circuit 5 A BS for signalling circuit
[Uimp] rated impulse withstand voltage	6 kV
Phase failure sensitivity	Phase difference > 40% 3 s IEC 60947-4-1
Electromagnetic compatibility	Surge withstand 2 kV common mode IEC 61000-4-5 Resistance to electrostatic discharge 8 kV IEC 61000-4-2 Immunity to radiated radio-electrical interference 10 V/m IEC 61000-4-3 Immunity to fast transients 2 kV IEC 61000-4-4
Connections - terminals	Control circuit screw clamp terminals 1.00 in <sup>2</sup> (2.5 mm <sup>2</sup> ) solid or flexible - without cable end Power circuit screw clamp terminals 1.02 in <sup>2</sup> (16 mm <sup>2</sup> ) solid or flexible - without cable end
Tightening torque	Control circuit 0.8 N.m screw clamp terminals Power circuit 3.1 N.m screw clamp terminals
Height	2.85 in (72.5 mm)
Width	1.77 in (45 mm)
Depth	3.15 in (79.9 mm)
Net Weight	0.40 lb(US) (0.18 kg)

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.

## Environment

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	IECEE CB Scheme[RETURN]UL[RETURN]CSA[RETURN]CCC
IP degree of protection	IP20 front face IEC 60529
Ambient air temperature for operation	-13...158 °F (-25...70 °C) IEC 60255-8
Ambient Air Temperature for Storage	-67...176 °F (-55...80 °C)
Operating altitude	6561.68 ft (2000 m) without derating
Mechanical robustness	Vibrations 10...150 Hz6 Gn IEC 60068-2-6 Shocks 11 ms15 gn IEC 60068-2-7
Dielectric strength	6 kV 50 Hz IEC 60255-5

## Ordering and shipping details

Category	22348-LR9D ELECTRONIC OVERLOAD RELAY 0.1-110A
Discount Schedule	I12
GTIN	3606485420950
Returnability	Yes
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.09 in (5.3 cm)
Package 1 Width	2.91 in (7.4 cm)
Package 1 Length	3.54 in (9.0 cm)
Package 1 Weight	7.79 oz (220.96 g)
Unit Type of Package 2	CAR
Number of Units in Package 2	30
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	14.61 lb(US) (6.629 kg)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.