Product data sheet

Specifications

Green Premium™

Overload relay, TeSys LRD, motor protection, 22A to 110A, 3 phase, electronic thermal

LR9D110S

Discontinued on: Jan 23, 2021

Discontinued

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	LC1D50A LC1D38 LC1D25 LC1D40A LC1D80 LC1D65A LC1D115 LC1D95 LC1D32
Thermal Overload Class	Class 5…30
Thermal Protection Adjustment Range	22…110 A
Power Consumption In W	300 mW
Mounting Support	Plate Rail

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 White 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

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

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 0.00 in² (2.5 mm²) solid or flexible - without cable end Power circuit screw clamp terminals 1 0.08 in² (50 mm²) solid or flexible - without cable end
Tightening Torque	Control circuit 0.8 N.m screw clamp terminals Power circuit 9 N.m screw clamp terminals
Height	4.21 in (107 mm)
Width	2.56 in (65 mm)
Depth	3.15 in (79.9 mm)
Net Weight	1.32 lb(US) (0.6 kg)

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 UL CSA 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	3606485420967
Returnability	No
Country Of Origin	CN

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.64 in (6.7 cm)
Package 1 Width	4.76 in (12.1 cm)
Package 1 Length	4.84 in (12.3 cm)
Package 1 Weight	24.37 oz (690.9 g)

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 >

RoHS/REACh

Well-being performance

Reach Free Of Svhc	
Mercury Free	
Rohs Exemption Information	Yes

Certifications & Standards

Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov