

# Product datasheet

Specifications



## TeSys LRD - electronic thermal overload relay - 3P - 22...110A

LR9D110S

**Price: 2,638.76 ZAR**

### 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
Maximum Power Consumption In W	300 mW
Mounting Support	Plate Rail

### Complementary

[Ue] Rated Operational Voltage	690 V for power circuit 660 V for signalling circuit
[Ui] Rated Insulation Voltage	Power circuit: 1000 V Signalling circuit: 690 V
Tripping Threshold	1.25 In conforming to 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 for 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 conforming to IEC 60947-4-1

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>Electromagnetic Compatibility</b>	Surge withstand: 2 kV common mode conforming to IEC 61000-4-5 Resistance to electrostatic discharge: 8 kV conforming to IEC 61000-4-2 Immunity to radiated radio-electrical interference: 10 V/m conforming to IEC 61000-4-3 Immunity to fast transients: 2 kV conforming to IEC 61000-4-4
<b>Connections - Terminals</b>	Control circuit: screw clamp terminals 1 cable 2.5 mm <sup>2</sup> - cable stiffness: solid or flexible - without cable end Power circuit: screw clamp terminals 1 cable 50 mm <sup>2</sup> - cable stiffness: solid or flexible - without cable end
<b>Tightening Torque</b>	Control circuit: 0.8 N.m on screw clamp terminals Power circuit: 9 N.m on screw clamp terminals
<b>Height</b>	107 mm
<b>Width</b>	65 mm
<b>Depth</b>	79.9 mm
<b>Net Weight</b>	0.6 kg

## Environment

<b>Standards</b>	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
<b>Product Certifications</b>	IECEE CB Scheme UL CSA CCC
<b>Ip Degree Of Protection</b>	IP20 front face conforming to IEC 60529
<b>Ambient Air Temperature For Operation</b>	-25...70 °C conforming to IEC 60255-8
<b>Ambient Air Temperature For Storage</b>	-55...80 °C
<b>Operating Altitude</b>	2000 m without derating
<b>Mechanical Robustness</b>	Vibrations 10...150 Hz: 6 Gn conforming to IEC 60068-2-6 Shocks 11 ms: 15 gn conforming to IEC 60068-2-7
<b>Dielectric Strength</b>	6 kV 50 Hz conforming to IEC 60255-5

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	6.7 cm
<b>Package 1 Width</b>	12.1 cm
<b>Package 1 Length</b>	12.3 cm
<b>Package 1 Weight</b>	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<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)



RoHS/REACH

## Well-being performance

Reach Free Of Svhc

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Mercury Free

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Rohs Exemption Information Yes

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## Certifications & Standards

**Eu Rohs Directive** Compliant  
[EU RoHS Declaration](#)

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**China Rohs Regulation** [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

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**Weee** The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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