

# Product datasheet

Specifications



## TeSys LRD thermal overload relays - 90...150 A - class 20

LR9D5569

**Price: 9,634.43 ZAR**

### 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 LC1D115 LC1D150
Network type	AC
Thermal overload class	Class 20 conforming to IEC 60947-4-1
Signalling function	Alarm
Thermal protection adjustment range	90...150 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	50...60 Hz
[Us] rated supply voltage	24 V DC
Supply voltage limits	17...32 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 0...400 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	-20...60 °C
Switching capacity in mA	0...150 mA

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

<b>Maximum voltage drop</b>	<2.5 V closed state
<b>Connections - terminals</b>	Power circuit: bars Control circuit: screw clamp terminals 1 cable(s) 0.5...1.5 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 0.5...1.5 mm <sup>2</sup> flexible without cable end Alarm circuit: screw clamp terminals 1 cable(s) 0.5...1.5 mm <sup>2</sup> flexible without cable end
<b>Tightening torque</b>	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
<b>Height</b>	118 mm
<b>Width</b>	115 mm
<b>Depth</b>	125 mm
<b>Net weight</b>	0.885 kg

## Environment

<b>Climatic withstand</b>	conforming to IACS E10
<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>Ambient air temperature for operation</b>	-20...60 °C without derating conforming to IEC 60947-4-1
<b>Ambient air temperature for storage</b>	-60...70 °C
<b>Operating altitude</b>	<= 2000 m without derating
<b>Mechanical robustness</b>	Vibrations: 2 Gn, 5...300 Hz conforming to IEC 60068-2-6 Shocks: 13 Gn for 11 ms conforming to IEC 60068-2-7
<b>Dielectric strength</b>	1.89 kV at 50 Hz conforming to IEC 60947-1
<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>	UL CSA CCC UKCA

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	15.000 cm
<b>Package 1 Width</b>	15.500 cm
<b>Package 1 Length</b>	13.000 cm
<b>Package 1 Weight</b>	924.000 g
<b>Unit Type of Package 2</b>	S04
<b>Number of Units in Package 2</b>	12
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	40.000 cm
<b>Package 2 Length</b>	60.000 cm

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Package 2 Weight	11.909 kg
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## Contractual warranty

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Warranty (in months)	18
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## Environmental Data

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

Total lifecycle Carbon footprint 133 kg CO2 eq.

Environmental Disclosure [Product Environmental Profile](#)

## Use Better



### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number D5a17874-1166-4927-b008-33d15e304a41

REACH Regulation [REACH Declaration](#)

PVC free Yes

## Use Longer



### Lifetime extension

Repair No

## Use Again



### Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No

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