

# Product data sheet

Specifications



## thermal overload relays, TeSys Deca, 60...100A, class 20

LR9D5567

Product availability: Stock - Normally stocked in distribution facility

Price\*: 298.00 USD

### 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	LC1D150 NSX circuit breaker LC1D115
Network Type	AC
Thermal Overload Class	Class 20 IEC 60947-4-1
Signalling Function	Alarm
Thermal Protection Adjustment Range	60...100 A
[U <sub>i</sub> ] Rated Insulation Voltage	Power circuit 1000 V IEC 60947-4-1 Power circuit 600 V CSA Power circuit 600 V UL

### Complementary

Network Frequency	50-60 Hz
[U <sub>s</sub> ] Rated Supply Voltage	24 V DC
Supply Voltage Limits	17...32 V
Mounting Support	Under contactor Rail
Tripping Threshold	1.05 +/- 0.06 I <sub>n</sub> alarm IEC 60947-4-1 1.12 +/- 0.06 I <sub>n</sub> de-energisation IEC 60947-4-1
Auxiliary Contact Composition	1 NO + 1 NC
[I <sub>th</sub> ] Conventional Free Air Thermal Current	5 A signalling circuit
[U <sub>e</sub> ] Rated Operational Voltage	690 V AC 0...400 Hz power circuit IEC 60947-4-1
Associated Fuse Rating	4 A gG for signalling circuit 4 A BS for signalling circuit
[U <sub>imp</sub> ] Rated Impulse Withstand Voltage	6 kV IEC 60947-1
Phase Failure Sensitivity	Tripping in 4 s +/- 20 % IEC 60947-4-1
Control Type	Red push-button stop Blue push-button reset
Temperature Compensation	-4...140 °F (-20...60 °C)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Switching Capacity In Ma</b>	0...150 mA
<b>Maximum Voltage Drop</b>	<2.5 V closed state
<b>Connections - Terminals</b>	Power circuit bars Control circuit screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.5...1.5 mm <sup>2</sup> ) flexible without cable end Control circuit screw clamp terminals 2 0.00...0.00 in <sup>2</sup> (0.5...1.5 mm <sup>2</sup> ) flexible without cable end Alarm circuit screw clamp terminals 1 0.00...0.00 in <sup>2</sup> (0.5...1.5 mm <sup>2</sup> ) flexible without cable end
<b>Tightening Torque</b>	Alarm circuit 3.98 lbf.in (0.45 N.m) screw clamp terminals Power circuit 159.31 lbf.in (18 N.m) bars M8 Control circuit 10.62 lbf.in (1.2 N.m) screw clamp terminals
<b>Height</b>	4.65 in (118 mm)
<b>Width</b>	4.53 in (115 mm)
<b>Depth</b>	4.92 in (125 mm)
<b>Net Weight</b>	1.95 lb(US) (0.885 kg)

## Environment

<b>Climatic Withstand</b>	IACS E10
<b>Ip Degree Of Protection</b>	IP20 conforming to IEC 60529
<b>Ambient Air Temperature For Operation</b>	-4...140 °F (-20...60 °C) without derating IEC 60947-4-1
<b>Ambient Air Temperature For Storage</b>	-76...158 °F (-60...70 °C)
<b>Operating Altitude</b>	<= 6561.68 ft (2000 m) without derating
<b>Mechanical Robustness</b>	Vibrations2 Gn, 5...300 Hz IEC 60068-2-6 Shocks13 Gn for 11 ms IEC 60068-2-7
<b>Dielectric Strength</b>	1.89 kV 50 Hz 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

## Ordering and shipping details

<b>Category</b>	US10I1222347
<b>Discount Schedule</b>	0I12
<b>Gtin</b>	3389110113105
<b>Returnability</b>	Yes
<b>Country Of Origin</b>	FR

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	5.91 in (15.0 cm)
<b>Package 1 Width</b>	6.10 in (15.5 cm)

<b>Package 1 Length</b>	5.12 in (13.0 cm)
<b>Package 1 Weight</b>	32.98 oz (935.0 g)
<b>Unit Type Of Package 2</b>	S04
<b>Number Of Units In Package 2</b>	12
<b>Package 2 Height</b>	11.81 in (30.0 cm)
<b>Package 2 Width</b>	15.75 in (40.0 cm)
<b>Package 2 Length</b>	23.62 in (60.0 cm)
<b>Package 2 Weight</b>	26.47 lb(US) (12.005 kg)

## Contractual warranty

<b>Warranty</b>	18 months
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## 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.

[Learn more about Green Premium >](#)

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



Transparency RoHS/REACH

## Well-being performance

 Mercury Free

 Rohs Exemption Information Yes

 Pvc Free

## Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant with Exemptions

China Rohs Regulation

[China RoHS declaration](#)

Product out of China RoHS scope. Substance declaration for your information.

Environmental Disclosure

[Product Environmental Profile](#)

Weee

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

Circularity Profile

[End of Life Information](#)

California Proposition 65

WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)