

Product datasheet

Specifications



TeSys LRD - electronic thermal overload relay - 3P - 1.6...8 A

LR9D08

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	LC1D12 LC1D32 LC1D38 LC1D09 LC1D25 LC1D18
Thermal overload class	Class 5...30
Thermal protection adjustment range	1.6...8 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 for power circuit 660 V for signalling circuit
[Ui] rated insulation voltage	Power circuit: 1000 V Signalling circuit: 690 V
Tripping threshold	1.25 I _n 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
[I _{th}] 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
[U _{imp}] rated impulse withstand voltage	6 kV
Phase failure sensitivity	Phase difference > 40% 3 s conforming to IEC 60947-4-1
Electromagnetic compatibility	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

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

Connections - terminals	Control circuit: screw clamp terminals 1 cable 2.5 mm ² - cable stiffness: solid or flexible - without cable end Power circuit: screw clamp terminals 1 cable 16 mm ² - cable stiffness: solid or flexible - without cable end
Tightening torque	Control circuit: 0.8 N.m on screw clamp terminals Power circuit: 3.1 N.m on screw clamp terminals
Height	72.5 mm
Width	45 mm
Depth	79.9 mm
Product weight	0.18 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 conforming to IEC 60529
Ambient air temperature for operation	-25...70 °C conforming to IEC 60255-8
Ambient air temperature for storage	-55...80 °C
Operating altitude	2000 m without derating
Mechanical robustness	Vibrations 10...150 Hz: 6 Gn conforming to IEC 60068-2-6 Shocks 11 ms: 15 gn conforming to IEC 60068-2-7
Dielectric strength	6 kV 50 Hz conforming to IEC 60255-5

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.300 cm
Package 1 Width	7.600 cm
Package 1 Length	9.100 cm
Package 1 Weight	217.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	30
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	6.898 kg

Contractual warranty

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 >](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant By Exemption

Use Longer




Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

End of life manual availability	No need of specific recycling operations
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