Product data sheet

Specifications



Overload relay, TeSys LRD, motor protection, 0.4A to 2A, 3 phase, withstand 6kV impulse, 2kV surge, electronic thermal

LR9D02

Product availability: Stock - Normally stocked in distribution facility

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	LC1D25 LC1D09 LC1D32 LC1D38 LC1D18 LC1D12
Thermal overload class	Class 5…30
Thermal protection adjustment range	0.4…2 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 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
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

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

Connections - terminals	Control circuit screw clamp terminals 1 0.004 in² (2.5 mm²) solid or flexible - without cable end Power circuit screw clamp terminals 1 0.02 in² (16 mm²) solid or flexible - without cable end
Tightening torque	Control circuit 0.8 N.m screw clamp terminals Power circuit 3.1 N.m screw clamp terminals
Height	2.9 in (72.5 mm)
Width	1.8 in (45 mm)
Depth	3.1 in (79.9 mm)
Product Weight	0.40 lb(US) (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 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	US10I1222348
Discount Schedule	0I12
GTIN	3606485420936
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.165 in (5.500 cm)
Package 1 Width	2.953 in (7.500 cm)
Package 1 Length	3.622 in (9.200 cm)
Package weight(Lbs)	7.443 oz (211.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	30
Package 2 Height	5.906 in (15.000 cm)

Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	14.714 lb(US) (6.674 kg)

Contractual warranty

Warranty (in months)	18

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**
California proposition 65	**WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Circularity Profile	**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.**