Product data sheet
Characteristics

LR9D01
TeSys LRD - electronic thermal overload relay - 3P - 0.1...0.5 A

Product availability : Stock - Normally stocked in distribution facility

Green Premium™

Price* : 64.41 USD



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	LC1D09 LC1D25 LC1D32 LC1D12 LC1D38 LC1D18
Thermal overload class	Class 5…30
Thermal protection adjustment range	0.1…0.5 A
Maximum 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

* 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

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 signalling circuit 5 A BS 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 conforming to IEC 61000-4-4
Connections - terminals	Control circuit screw clamp terminals 1 0.00 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	2.85 in (72.5 mm)
Width	1.77 in (45 mm)
Depth	3.15 in (79.9 mm)
Net 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	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	22348 - LR9D ELECTRONIC OVERLOAD RELAY 0.1-110A
Discount Schedule	I12
GTIN	00785901108177
Nbr. of units in pkg.	1
Package weight(Lbs)	0.46 lb(US) (0.21 kg)
Returnability	Yes
Country of origin	CN

Packing Units

Package 1 Height	0.550 dm
Package 1 width	0.750 dm
Package 1 Length	0.910 dm

Offer Sustainability

Sustainable offer status	Green Premium product

California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.