



Price\*\* : 298.00 USD



### Main

Range	TeSys
Product name	TeSys LRD
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
Signalling function	Alarm
Thermal protection adjustment range	60...100 A
[Ui] 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
[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 IEC 60947-4-1 1.12 +/- 0.06 In de-energisation IEC 60947-4-1
[Ith] conventional free air thermal current	5 A signalling circuit
[Ue] rated operational voltage	690 V 50...60 Hz
Associated fuse rating	5 A gG signalling circuit
[Uimp] rated impulse withstand voltage	6 kV IEC 61000-4-5

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)
Switching capacity in mA	0...150 mA
Maximum voltage drop	<2.5 V closed state
Connections - terminals	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
Tightening torque	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
Depth	5.20 in (132 mm)
Net weight	1.98 lb(US) (0.9 kg)

## Environment

Protective treatment	TH IEC 60068
IP degree of protection	IP20 IEC 60529
Ambient air temperature for operation	-4...140 °F (-20...60 °C) without derating IEC 60947-4-1
Ambient air temperature for storage	-76...158 °F (-60...70 °C)
Operating altitude	<= 6561.68 ft (2000 m) without derating
Mechanical robustness	Vibrations 2 Gn, 5...300 Hz IEC 60068-2-6 Shocks 13 Gn for 11 ms IEC 60068-2-7
Dielectric strength	6 kV 50 Hz IEC 60255-5
Standards	IEC 255-8 EN 60947-4-1 VDE 0660 IEC 60947-4-1 IEC 255-17
Product certifications	UL 508 CSA 22-2

## Ordering and shipping details

Category	22347 - CONTACTOR,D-LINE,OVERLOADS-NEW
Discount Schedule	I12
GTIN	00785901806820
Package weight(Lbs)	0.90 kg (1.99 lb(US))
Returnability	No
Country of origin	FR

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Contractual warranty

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Warranty	18 months
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