Product data sheet

Specifications



TeSys Deca thermal overload relays - 90...150 A - class 20

LR9D5569

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	NSX circuit breaker LC1D115 LC1D150
Network type	AC
Thermal overload class	Class 20 IEC 60947-4-1
Signalling function	Alarm
Thermal protection adjustment range	90…150 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
Auxiliary contact composition	1 NO + 1 NC
[Ith] conventional free air thermal current	5 A signalling circuit
[Ue] rated operational voltage	690 V AC 0...400 Hz power circuit IEC 60947-4-1
Associated fuse rating	4 A gG signalling circuit 4 A BS signalling circuit
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-1

* 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

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 in² (0.5…1.5 mm²) flexible without cable end Control circuit screw clamp terminals 2 0.00…0.00 in² (0.5…1.5 mm²) flexible without cable end Alarm circuit screw clamp terminals 1 0.00…0.00 in² (0.5…1.5 mm²) 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
Height	4.65 in (118 mm)
Width	4.53 in (115 mm)
Depth	4.92 in (125 mm)
Net Weight	1.95 lb(US) (0.885 kg)

Environment

Climatic withstand	IACS E10
IP degree of protection	IP20 conforming to 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	Vibrations2 Gn, 5...300 Hz IEC 60068-2-6 Shocks13 Gn for 11 ms IEC 60068-2-7
Dielectric strength	1.89 kV 50 Hz IEC 60947-1
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	UL CSA CCC UKCA

Ordering and shipping details

Category	22347-CONTACTOR,D-LINE,OVERLOADS-NEW
Discount Schedule	I12
GTIN	3389110787948
Nbr. of units in pkg.	1
Package weight(Lbs)	32.56 oz (923.0 g)
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	5.91 in (15 cm)

Package 1 width	6.10 in (15.5 cm)
Package 1 Length	5.12 in (13 cm)
Unit Type of Package 2	S04
Number of Units in Package 2	12
Package 2 Weight	26.25 lb(US) (11.909 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	15.75 in (40 cm)
Package 2 Length	23.62 in (60 cm)

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 www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
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.
PVC free	Yes

Contractual warranty

Warranty	18 months