# **Product datasheet**

Specification





# TeSys LRD thermal overload relays - 60...100 A - class 10

Local distributor code: 386424795

6424795 LR9D5367

EAN Code: 3389110113099

### 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	LC1D115
	LC1D150
	NSX circuit breaker
Network Type	AC
Thermal Overload Class	Class 10 conforming to IEC 60947-4-1
Signalling Function	Alarm
Thermal Protection Adjustment Range	60100 A
[Ui] Rated Insulation Voltage	Power circuit: 1000 V conforming to IEC 60947-4-1
	Power circuit: 600 V conforming to CSA
	Power circuit: 600 V conforming to UL

## Complementary

Network Frequency	5060 Hz	
[Us] Rated Supply Voltage	24 V DC	
Supply Voltage Limits	1732 V	
Mounting Support	Under contactor Rail	
Tripping Threshold	1.05 +/- 0.06 In alarm conforming to IEC 60947-4-1 1.12 +/- 0.06 In de-energisation conforming to IEC 60947-4-1	
uxiliary Contact Composition 1 NO + 1 NC		
[Ith] Conventional Free Air Thermal Current	5 A for signalling circuit	
[Ue] Rated Operational Voltage	690 V AC 0400 Hz for power circuit conforming to IEC 60947-4-1	
Associated Fuse Rating	4 A gG for signalling circuit 4 A BS for signalling circuit	
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947-1	
Phase Failure Sensitivity	Tripping in 4 s +/- 20 % conforming to IEC 60947-4-1	
Control Type	Red push-button: stop Blue push-button: reset	
Temperature Compensation	-2060 °C	

Switching Capacity In Ma	0150 mA	
Maximum Voltage Drop	<2.5 V closed state	
Connections - Terminals	Power circuit: bars	
	Control circuit: screw clamp terminals 1 cable(s) 0.51.5 mm² flexible without cable end	
	Control circuit: screw clamp terminals 2 cable(s) 0.51.5 mm² flexible without cable end	
	Alarm circuit: screw clamp terminals 1 cable(s) 0.51.5 mm² flexible without cable end	
Tightening Torque	Alarm circuit: 0.45 N.m - on screw clamp terminals	
	Power circuit: 18 N.m - on bars M8	
	Control circuit: 1.2 N.m - on screw clamp terminals	
Height	118 mm	
Width	115 mm	
Depth	125 mm	
Net Weight	0.885 kg	

## **Environment**

Climatic Withstand	conforming to IACS E10
Ip Degree Of Protection	IP20 conforming to IEC 60529
Ambient Air Temperature For Operation	-2060 °C without derating conforming to IEC 60947-4-1
Ambient Air Temperature For Storage	-6070 °C
Operating Altitude	<= 2000 m without derating
Mechanical Robustness	Vibrations: 2 Gn, 5300 Hz conforming to IEC 60068-2-6 Shocks: 13 Gn for 11 ms conforming to IEC 60068-2-7
Dielectric Strength	1.89 kV at 50 Hz conforming to 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

## **Packing Units**

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Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	15.0 cm
Package 1 Width	16.0 cm
Package 1 Length	13.0 cm
Package 1 Weight	934.0 g
Unit Type Of Package 2	S04
Number Of Units In Package 2	12
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm

Package 2 Length	60.0 cm
Package 2 Weight	11.978 kg

## **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

### Well-being performance

<b>②</b>	Mercury Free	
	Rohs Exemption Information	Yes
	Pvc Free	

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information