# **Product datasheet**

Specification





# TeSys LRD thermal overload relays - 0.25...0.4 A - class 10A

Local distributor code:

381828943 LRD03

EAN Code: 3389110346732

#### Main

Range	TeSys	
_	TeSys Deca	
Product Name	TeSys LRD	
	TeSys Deca	
Product Or Component Type	Differential thermal overload relay	
Device Short Name	LRD	
Relay Application	Motor protection	
Product Compatibility	LC1D25	
	LC1D18	
	LC1D38	
	LC1D12	
	LC1D32	
	LC1D09	
Network Type	AC	
	DC	
Thermal Overload Class	Class 10A conforming to IEC 60947-4-1	
Thermal Protection Adjustment Range	0.250.4 A	
[Ui] Rated Insulation Voltage	Power circuit: 600 V conforming to CSA	
	Power circuit: 600 V conforming to UL	
	Power circuit: 690 V conforming to IEC 60947-4-1	

### Complementary

Network Frequency	0400 Hz	
Mounting Support	Plate, with specific accessories Rail, with specific accessories Under contactor	
Tripping Threshold	1.14 +/- 0.06 Ir conforming to IEC 60947-4-1	
Auxiliary Contact Composition	1 NO + 1 NC	
[Ith] Conventional Free Air Thermal Current	5 A for signalling circuit	
Permissible Current	3 A at 120 V AC-15 for signalling circuit 0.22 A at 125 V DC-13 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	
Phase Failure Sensitivity	Tripping current 130 % of Ir on two phase, the last one at 0	
Control Type	Red push-button: stop Blue push-button: reset	

Temperature Compensation	-2060 °C	
Connections - Terminals	Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² flexible without cable end	
	Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² solid without cable end Power circuit: screw clamp terminals 1 cable(s) 1.510 mm² flexible without cable end	
	Power circuit: screw clamp terminals 1 cable(s) 14 mm² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 16 mm² solid without cable end	
Tightening Torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 1.7 N.m - on screw clamp terminals	
Height	66 mm	
Width	45 mm	
Depth	70 mm	
Net Weight	0.124 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	
Flame Retardance	V1 conforming to UL 94	
Mechanical Robustness	Vibrations: 6 Gn conforming to IEC 60068-2-6 Shocks: 15 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 EN 50495	
Product Certifications	IEC UL CSA CCC EAC BV RINA DNV-GL LROS (Lloyds register of shipping) ATEX INERIS UKCA	

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.400 cm
Package 1 Width	7.100 cm
Package 1 Length	8.000 cm
Package 1 Weight	138.000 g
Unit Type Of Package 2	S02

Number Of Units In Package 2	24
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.624 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	384
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	69.156 kg

## **Contractual warranty**

Warranty 18 months

## Sustainability Green Premium

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

#### Well-being performance



Mercury Free



Rohs Exemption Information

Yes

#### **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