# **Product datasheet**

Specification





# TeSys Deca thermal overload relays - 0.1...0.16 A - class 10A

LRD013

! Discontinued on: 14 Sep 2021

(!) Discontinued

#### Main

Range	TeSys
Product name	TeSys LRD TeSys Deca
Product or component type	Differential thermal overload relay
Device short name	LRD
relay application	Motor protection
Product compatibility	LC1D18 LC1D32 LC1D09 LC1D12 LC1D25 LC1D38
Network type	DC AC
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	0.10.16 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

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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Temperature compensation	-2060 °C
Connections - terminals	Control circuit: spring terminals 1 cable(s) 12.5 mm² solid without cable end Control circuit: spring terminals 1 cable(s) 12.5 mm² flexible without cable end Power circuit: spring terminals 1 cable(s) 1.54 mm² flexible without cable end Power circuit: spring terminals 1 cable(s) 1.54 mm² flexible with cable end
Height	93 mm
Width	45 mm
Depth	72 mm
Net weight	0.14 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

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.5 cm
Package 1 Width	8 cm
Package 1 Length	10 cm
Package 1 Weight	193 g

## **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

#### Well-being performance



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Rohs Exemption Information

Yes

#### **Certifications & Standards**

Eu Rohs Directive	Compliant
	EU RoHS Declaration
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