

# Product datasheet

Specifications



## TeSys LRD thermal overload relays - 5.5...8 A - class 10A

LRD123

### Main

<b>Range</b>	TeSys TeSys Deca
<b>Product name</b>	TeSys LRD TeSys Deca
<b>Product or component type</b>	Differential thermal overload relay
<b>Device short name</b>	LRD
<b>Relay application</b>	Motor protection
<b>Product compatibility</b>	LC1D38 LC1D09 LC1D18 LC1D12 LC1D32 LC1D25
<b>Network type</b>	AC DC
<b>Thermal overload class</b>	Class 10A conforming to IEC 60947-4-1
<b>Thermal protection adjustment range</b>	5.5...8 A
<b>[Ui] rated insulation voltage</b>	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

<b>Network frequency</b>	0...400 Hz
<b>Mounting support</b>	Plate, with specific accessories Rail, with specific accessories Under contactor
<b>Tripping threshold</b>	1.14 +/- 0.06 I <sub>r</sub> conforming to IEC 60947-4-1
<b>Auxiliary contact composition</b>	1 NO + 1 NC
<b>[I<sub>th</sub>] conventional free air thermal current</b>	5 A for signalling circuit
<b>Permissible current</b>	3 A at 120 V AC-15 for signalling circuit 0.22 A at 125 V DC-13 for signalling circuit
<b>[U<sub>e</sub>] rated operational voltage</b>	690 V AC 0...400 Hz for power circuit conforming to IEC 60947-4-1
<b>Associated fuse rating</b>	4 A gG for signalling circuit 4 A BS for signalling circuit
<b>[U<sub>imp</sub>] rated impulse withstand voltage</b>	6 kV
<b>Phase failure sensitivity</b>	Tripping current 130 % of I <sub>r</sub> on two phase, the last one at 0
<b>Control type</b>	Red push-button: stop Blue push-button: reset

Temperature compensation	-20...60 °C
Connections - terminals	Control circuit: spring terminals 1 cable(s) 1...2.5 mm <sup>2</sup> solid without cable end Control circuit: spring terminals 1 cable(s) 1...2.5 mm <sup>2</sup> flexible without cable end Power circuit: spring terminals 1 cable(s) 1.5...4 mm <sup>2</sup> flexible without cable end Power circuit: spring terminals 1 cable(s) 1.5...4 mm <sup>2</sup> 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	-20...60 °C without derating conforming to IEC 60947-4-1
Ambient air temperature for storage	-60...70 °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	5.200 cm
Package 1 Width	7.800 cm
Package 1 Length	10.000 cm
Package 1 Weight	190.300 g
Unit Type of Package 2	S02
Number of Units in Package 2	23
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm

Package 2 Weight	4.637 kg
Unit Type of Package 3	P06
Number of Units in Package 3	368
Package 3 Height	75.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	82.190 kg

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Sustainable Packaging Transparency RoHS/REACH

## Resource performance

Sustainable Packaging

## Well-being performance

Reach Free Of Svhc

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](#)

Image of product / Alternate images

Alternative

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