

# Product datasheet

Specifications



## Thermal overload relay, TeSys LRD, 9...13 A, class 10A

Local distributor code:

381829447

LRD16

**EAN Code: 3389110346824**

## 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>	LC1D18 LC1D38 LC1D32 LC1D12 LC1D25
<b>Network type</b>	DC AC
<b>Thermal overload class</b>	Class 10A conforming to IEC 60947-4-1
<b>Thermal protection adjustment range</b>	9...13 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>	1.5 A at 240 V AC-15 for signalling circuit 0.1 A at 250 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
<b>Temperature compensation</b>	-20...60 °C

<b>Connections - terminals</b>	Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> solid Power circuit: screw clamp terminals 1 cable(s) 1.5...10 mm <sup>2</sup> flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 1...6 mm <sup>2</sup> solid
<b>Tightening torque</b>	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 1.7 N.m - on screw clamp terminals
<b>Height</b>	66 mm
<b>Width</b>	45 mm
<b>Depth</b>	70 mm
<b>Net weight</b>	0.124 kg

## Environment

<b>Climatic withstand</b>	conforming to IACS E10
<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>Ambient air temperature for operation</b>	-20...60 °C without derating conforming to IEC 60947-4-1
<b>Ambient air temperature for storage</b>	-60...70 °C
<b>Flame retardance</b>	V1 conforming to UL 94
<b>Mechanical robustness</b>	Vibrations: 6 Gn conforming to IEC 60068-2-6 Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7
<b>Dielectric strength</b>	1.89 kV at 50 Hz conforming to IEC 60947-1
<b>Standards</b>	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
<b>Product certifications</b>	IEC UL CSA CCC EAC BV RINA DNV-GL LROS (Lloyds register of shipping) ATEX INERIS UKCA

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	5.000 cm
<b>Package 1 Width</b>	7.800 cm
<b>Package 1 Length</b>	9.000 cm
<b>Package 1 Weight</b>	140.000 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	24

Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.690 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	67.040 kg

## Logistical informations

Country of origin	FR
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## Contractual warranty

Warranty	18 months
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Total lifecycle Carbon footprint 13

Environmental Disclosure [Product Environmental Profile](#)

### Use Better

#### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant

SCIP Number 224fb0ea-2bc1-482e-b6b4-c1bdd9779659

REACH Regulation [REACH Declaration](#)

### Use Again

#### Repack and remanufacture

Recyclability potential, in % 50

End of life manual availability [End of Life Information](#)

Take-back No

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Image of product / Alternate images

Alternative

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