

# Product datasheet

Specifications



## TeSys LRD thermal overload relays - 95...120 A - class 10A

Local distributor code: 381829654 LRD4367

EAN Code : 3389110523348

### 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	LC1D150 LC1D115
Network type	AC DC
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	95...120 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	0...400 Hz
Mounting support	Plate, with specific accessories Rail, with specific accessories Under contactor
Tripping threshold	1.14 +/- 0.06 I <sub>r</sub> conforming to IEC 60947-4-1
Auxiliary contact composition	1 NO + 1 NC
[I <sub>th</sub> ] conventional free air thermal current	5 A for signalling circuit
Permissible current	0.06 A at 440 V DC-13 for signalling circuit 0.12 A at 600 V AC-15 for signalling circuit
[U <sub>e</sub> ] rated operational voltage	1000 V AC 0...400 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
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV conforming to IEC 60947-1
Phase failure sensitivity	Tripping current 130 % of I <sub>r</sub> on two phase, the last one at 0
Control type	Red push-button: stop Blue push-button: reset

<b>Temperature compensation</b>	-20...60 °C
<b>Connections - terminals</b>	Power circuit: screw clamp terminals 1 cable(s) 4...35 mm <sup>2</sup> flexible with cable end 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 without cable end Power circuit: screw clamp terminals 1 cable(s) 4...50 mm <sup>2</sup> flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 4...50 mm <sup>2</sup> solid without cable end
<b>Tightening torque</b>	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 9 N.m - on screw clamp terminals
<b>Depth</b>	132 mm
<b>Net weight</b>	0.9 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>	2.2 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 ATEX INERIS

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	15.2 cm
<b>Package 1 Width</b>	13.8 cm
<b>Package 1 Length</b>	10.2 cm
<b>Package 1 Weight</b>	834.0 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	10
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	8.84 kg
<b>Unit Type of Package 3</b>	P06
<b>Number of Units in Package 3</b>	80
<b>Package 3 Height</b>	77.0 cm

Package 3 Width	80.0 cm
Package 3 Length	60.0 cm
Package 3 Weight	79.22 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	Yes
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

## Contractual warranty

Warranty	18 months
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## Recommended replacement(s)