



# Thermal overload relay,TeSys Deca,37-50A,1NO+1NC,class 10A,EverLink lugs ring

LRD3506

### 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	LC1D65A
	LC1D50A
	LC1D40A
Network type	DC
	AC
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	3750 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	0.95 A at 380 V AC-15 for signalling circuit 0.06 A at 440 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
Connection pitch	17.5 mm

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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: lugs-ring terminals
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 6 N.m - on lugs-ring terminals M6
Height	70 mm
Width	55 mm
Depth	123 mm
net weight	0.375 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	obustness Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7 Vibrations: 4 gn conforming to IEC 60068-2-6	
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 DNV-GL RMRS EU-RO MR 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	6.0 cm
Package 1 Width	11.0 cm
Package 1 Length	14.0 cm
Package 1 Weight	366.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	13
Package 2 Height	15 cm
Package 2 Width	30 cm

Package 2 Length	40 cm	
Package 2 Weight	5.124 kg	

## **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

### Well-being performance

<b>⊘</b>	Reach Free Of Svhc	
<b>9</b>	Toxic Heavy Metal Free	
<b>②</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

## **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration  Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

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