

TeSys LRD thermal overload relays - 4...6 A - class 10A

LRD10

Local distributor code: 381829405

EAN Code: 3389110346794

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	LC1D09	
	LC1D32	
	LC1D38	
	LC1D12	
	LC1D18	
	LC1D25	
Network type	DC	
	AC	
Thermal overload class	Class 10A conforming to IEC 60947-4-1	
Thermal protection adjustment range	46 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	

Temperature compensation	-2060 °C	
Connections - terminals	Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² flexible without cable end	
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	Control circuit: screw clamp terminals 2 cable(s) 12.5 mm² solid without cable end	
	Power circuit: screw clamp terminals 1 cable(s) 1.510 mm² flexible without cable end	
	Power circuit: screw clamp terminals 1 cable(s) 14 mm² flexible with cable end	
	Power circuit: screw clamp terminals 1 cable(s) 16 mm² solid without cable end	
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals	
	Power circuit: 1.7 N.m - on screw clamp terminals	
Height	66 mm	
Width	45 mm	
Depth	70 mm	
Product weight	0.124 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 60947-5-1 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	9.000 cm
Package 1 Width	7.200 cm
Package 1 Length	4.900 cm
Package 1 Weight	138.000 g
Unit Type of Package 2	S02

Number of Units in Package 2	24
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.648 kg

Logistical informations

Country of origin FR

Contractual warranty

Warranty 18 months



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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	13
Environmental Disclosure	Product Environmental Profile

Use Better

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	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Product datasheet

LRD10

Image of product / Alternate images

Alternative





