Product datasheet

Specifications



TeSys LRD thermal overload relays - 16...24 A - class 10A

LRD22

Main

Range	TeSys	
0	•	
	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	LC1D25	
	LC1D32	
	LC1D38	
	201036	
network type	DC	
	AC	
Thermal overload class	Class 10A conforming to IEC 60947-4-1	
Thermal protection adjustment range	1624 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	1.5 A at 240 V AC-15 for signalling circuit 0.1 A at 250 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	
Femperature compensation -2060 °C		

Control circuit: screw clamp terminals 2 cable(s) 12.5 mm ² flexible without cable end	
Control circuit: screw clamp terminals 2 cable(s) 12.5 mm ² flexible with cable end	
Control circuit: screw clamp terminals 2 cable(s) 12.5 mm ² solid	
Power circuit: screw clamp terminals 1 cable(s) 1.510 mm ² flexible without cable end	
Power circuit: screw clamp terminals 1 cable(s) 16 mm ² flexible with cable end	
Power circuit: screw clamp terminals 1 cable(s) 1.510 mm ² solid	
Control circuit: 1.7 N.m - on screw clamp terminals	
Power circuit: 2.5 N.m - on screw clamp terminals	
66 mm	
45 mm	
70 mm	
ht 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 60947-4-1 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	9.000 cm
Package 1 Width	7.200 cm
Package 1 Length	4.900 cm
Package 1 Weight	140.900 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	3.731 kg

Contractual warranty

Warranty

12 months

🜔 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 >

${\mathcal Q}$ Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)

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 Environmental Disclosure

 Product Environmental Profile

Use Better

Materials and Packaging	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	224fb0ea-2bc1-482e-b6b4-c1bdd9779659
China RoHS Regulation	China RoHS declaration

Use Again

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