

Product datasheet

Specifications



TeSys LRD thermal overload relays - 110...140 A - class 10A

Local distributor code: 381829667 LRD4369

EAN Code : 3389110523355

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
Network type	DC AC
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	110...140 A
[Ui] rated insulation voltage	Power circuit: 1000 V conforming to IEC 60947-4-1

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 _r conforming to IEC 60947-4-1
Auxiliary contact composition	1 NO + 1 NC
[I _{th}] 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 _e] 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 _{imp}] rated impulse withstand voltage	6 kV conforming to IEC 60947-1
Phase failure sensitivity	Tripping current 130 % of I _r on two phase, the last one at 0
Control type	Red push-button: stop Blue push-button: reset
Temperature compensation	-20...60 °C
Connections - terminals	Power circuit: screw clamp terminals 1 cable(s) 4...35 mm ² flexible with cable end

Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm² flexible without cable end
 Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm² flexible with cable end
 Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm² solid without cable end
 Power circuit: screw clamp terminals 1 cable(s) 4...50 mm² flexible without cable end
 Power circuit: screw clamp terminals 1 cable(s) 4...50 mm² solid without cable end

Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 9 N.m - on screw clamp terminals
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Depth	132 mm
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Net weight	0.9 kg
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Environment

Climatic withstand	conforming to IACS E10
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IP degree of protection	IP20 conforming to IEC 60529
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Ambient air temperature for operation	-20...60 °C without derating conforming to IEC 60947-4-1
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Ambient air temperature for storage	-60...70 °C
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Flame retardance	V1 conforming to UL 94
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Mechanical robustness	Vibrations: 6 Gn conforming to IEC 60068-2-6 Shocks: 15 Gn for 11 ms conforming to IEC 60068-2-7
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Dielectric strength	2.2 kV at 50 Hz conforming to IEC 60947-1
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Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 GB/T 14048.4 GB/T 14048.5 EN 50495
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Product certifications	IEC CCC EAC ATEX INERIS
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	13.800 cm
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Package 1 Width	10.500 cm
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Package 1 Length	15.500 cm
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Package 1 Weight	833.000 g
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Unit Type of Package 2	S03
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Number of Units in Package 2	10
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Package 2 Height	30.000 cm
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Package 2 Width	30.000 cm
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Package 2 Length	40.000 cm
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Package 2 Weight	8.835 kg
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Unit Type of Package 3	P06
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Number of Units in Package 3	80
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Package 3 Height	75.000 cm
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Package 3 Width	60.000 cm
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Package 3 Length	80.000 cm
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Package 3 Weight	77.680 kg
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Offer Sustainability

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

Contractual warranty

Warranty	18 months
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Recommended replacement(s)