Product data sheet Characteristics

LRD046

TeSys Deca thermal overload relays - 0.4...0.63 A - class 10A





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	LC1D32
	LC1D12
	LC1D18
	LC1D09
	LC1D38
	LC1D25
Network type	AC
	DC
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	0.40.63 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
Connection pitch	14.5 Mm

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not interneted as a substitute for and is not to be used for determining suitability or reliability of these products by especific user applications. It is the douty of any sub user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or substitiaries shall be responsible or liable for misuse of the information contained herein.

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: 2.3 N.m - on lugs-ring terminals M4
Height	66 Mm
Width	45 Mm
Depth	70 Mm
Net 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 60947-4-1 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

i doning office	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	149.0 G
Package 1 Height	8.8 Cm
Package 1 Width	7.7 Cm
Package 1 Length	4.9 Cm
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Weight	4.068 Kg
Package 2 Height	15.0 Cm
Package 2 Width	30.0 Cm
Package 2 Length	40.0 Cm



Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Compliant EPEU RoHS Declaration
Mercury free	Yes
RoHS exemption information	₫Yes
China RoHS Regulation	☑ China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
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
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months
wananty	To Monard

Product Life Status : Commercialised