

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 LC1D18 LC1D25 LC1D38 LC1D12 LC1D32
Network type	AC DC
Thermal overload class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	2.5...4 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	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	3 A at 120 V AC-15 for signalling circuit 0.22 A at 125 V DC-13 for signalling circuit
[U _e] rated operational voltage	690 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
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	Control circuit: spring terminals 1 cable(s) 1...2.5 mm ² solid without cable end Control circuit: spring terminals 1 cable(s) 1...2.5 mm ² flexible without cable end Power circuit: spring terminals 1 cable(s) 1.5...4 mm ² flexible without cable end Power circuit: spring terminals 1 cable(s) 1.5...4 mm ² flexible with cable end
Height	93 mm
Width	45 mm
Depth	72 mm
Net weight	0.14 kg

Environment

Climatic withstand	Conforming to IACS E10
IP degree of protection	IP20 conforming to IEC 60529
Ambient air temperature for operation	-20...60 °C without derating conforming to IEC 60947-4-1
Ambient air temperature for storage	-60...70 °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[RETURN]UL[RETURN]CSA[RETURN]CCC[RETURN]EAC[RETURN]BV[RETURN]RINA[RE GL[RETURN]LROS (Lloyds register of shipping)[RETURN]ATEX INERIS[RETURN]UKCA

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.5 cm
Package 1 Width	8 cm
Package 1 Length	10 cm
Package 1 Weight	190 g
Unit Type of Package 2	S02
Number of Units in Package 2	23
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.69 kg

Offer Sustainability

Packaging without single use plastic	Yes
Packaging made with recycled cardboard	Yes
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant with Exemptions
Sustainable packaging	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
Take-back	No
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	3

Contractual warranty

Warranty	18 months
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