

Product datasheet

Characteristics

LRD146

TeSys LRD thermal overload relays - 7...10 A - class 10A



Price* : 36.55 GBP



Main

Range	TeSys
Product name	TeSys LRD
Product or component type	Differential thermal overload relay
Device short name	LRD
Relay application	Motor protection
Product compatibility	LC1D12 LC1D09 LC1D25 LC1D38 LC1D18 LC1D32
Network type	AC DC
Thermal protection adjustment range	7...10 A
[Ui] rated insulation voltage	600 V power circuit conforming to CSA 600 V power circuit conforming to UL 690 V power circuit 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 Ir conforming to IEC 60947-4-1
[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 0...400 Hz
[Uimp] rated impulse withstand voltage	6 kV

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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 for reset mode
Temperature compensation	-20...60 °C
Connection pitch	14.5 mm
Connections - terminals	Power circuit : lugs-ring terminals Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible without cable end Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Control circuit : screw clamp terminals 2 cable(s) 1...2.5 mm ² solid without cable end
Tightening torque	Control circuit : 1.7 N.m on screw clamp terminals Power circuit : 2.3 N.m on lugs-ring terminals screw : M4
Width	45 mm
Depth	70 mm
Product weight	0.124 kg

Environment

Protective treatment	TH conforming to IEC 60068
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 IEC 60068-2-6 Shocks 15 Gn for 11 ms IEC 60068-2-7
Dielectric strength	6 kV at 50 Hz conforming to IEC 60255-5
Standards	UL 508 CSA C22.2 No 14 IEC 60947-4-1 EN 60947-4-1 IEC 60947-5-1 EN 60947-5-1 ATEX D 94/9/CE
Product certifications	DNV CCC BV LROS (Lloyds register of shipping) GOST ATEX INERIS RINA UL CSA GL

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0643 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product environmental
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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