

Main

Range	TeSys
Product name	TeSys LRD
Product or component type	Differential thermal overload relay
Device short name	LR3D
Relay application	Motor protection
Product compatibility	LC1D09 LC1D12 LC1D18 LC1D25 LC1D32
Network type	AC DC
Thermal protection adjustment range	5.5...8 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	Rail with specific accessories Independent mounting
Tripping threshold	1.14 +/- 0.06 I _r conforming to IEC 60947-4-1
[I _{th}] 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
System Voltage	1000 V AC 0...400 Hz for power circuit conforming to IEC 60947-4-1
[U _{imp}] rated impulse withstand voltage	6 kV
Phase failure sensitivity	Tripping current I 30 % of I _r on one phase, the others at I _r conforming to IEC 60947-4-1
Control type	Red push-button stop Blue push-button for reset mode
Temperature compensation	-4...140 °F (-20...60 °C)
Tightening torque	Control circuit : 1.7 N.m on screw clamp terminals Power circuit : 1.85 N.m on screw clamp terminals
Width	1.77 in (45 mm)
Depth	3.62 in (92 mm)
Product weight	0.42 lb(US) (0.19 kg)

Environment

protective treatment	TH conforming to IEC 60068
IP degree of protection	IP20 conforming to IEC 60529
ambient air temperature for operation	-4...140 °F (-20...60 °C) without derating conforming to IEC 60947-4-1
ambient air temperature for storage	-76...158 °F (-60...70 °C)
dielectric strength	6 kVat 50 Hz conforming to IEC 60255-5
standards	ATEX D 94/9/CE EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508 CSA C22.2 No 14

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 intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such 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 subsidiaries shall be responsible or liable for misuse of the information contained herein.

product certifications	ATEX INERIS BV CCC CSA DNV GL GOST LROS (Lloyds register of shipping) RINA UL
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Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0630 - Schneider Electric declaration of conformity	Compliant - since 0630 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available

Contractual warranty

Warranty period	18 months
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