



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	LC1D25 LC1D32 LC1D38
Network type	AC DC
Thermal protection adjustment range	23...32 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 I _r conforming to IEC 60947-4-1
[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
System Voltage	690 V AC 0...400 Hz
Associated fuse rating	63 A gG 40 A aM 63 A BS88
[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 for reset mode
Temperature compensation	-4...140 °F (-20...60 °C)
Connections - 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 Power circuit : screw clamp terminals 1 cable(s) 1.5...10 mm ² flexible without cable end Power circuit : screw clamp terminals 1 cable(s) 1...6 mm ² flexible with cable end Power circuit : screw clamp terminals 1 cable(s) 1.5...10 mm ² solid without cable end
Tightening torque	Control circuit : 1.7 N.m on screw clamp terminals Power circuit : 2.5 N.m on screw clamp terminals
Width	1.77 in (45 mm)
Depth	3 in (76.1 mm)
Product weight	0.32 lb(US) (0.144 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

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ambient air temperature for storage	-76...158 °F (-60...70 °C)
mechanical robustness	Shocks 15 Gn for 11 ms IEC 60068-2-7 Vibrations 3 Gn IEC 60068-2-6
dielectric strength	6 kV at 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
product certifications	ABS ATEX INERIS CSA UL EAC

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1338 - Schneider Electric declaration of conformity	Compliant - since 1338 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Need no specific recycling operations	Need no specific recycling operations
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer.	Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer.
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov