

### Main

Range of product	TeSys D
Device short name	LRD
Product or component type	Non differential thermal overload relay
Relay application	Motor protection
Product compatibility	LC1D40A...LC1D65A
Network type	AC
Overload tripping class	Class 10A IEC 60947-4-1
Thermal protection adjustment range	12...18 A
Protection type	BS88 fuse 35 A power circuit BS fuse 5 A control circuit GB2 circuit breaker 5 A control circuit AM fuses 20 A power circuit GG fuse 32 A power circuit GG fuse 5 A control circuit
Connections - terminals	EverLink BTR screw connectors power circuit Screw clamp terminals control circuit 1 1...2,5 mm <sup>2</sup> flexible without Screw clamp terminals control circuit 2 1...2,5 mm <sup>2</sup> flexible without Screw clamp terminals control circuit 1 1...2,5 mm <sup>2</sup> flexible with Screw clamp terminals control circuit 2 1...2,5 mm <sup>2</sup> flexible with Screw clamp terminals control circuit 1 1...2,5 mm <sup>2</sup> solid without Screw clamp terminals control circuit 2 1...2,5 mm <sup>2</sup> solid without
Quantity per set	Set of 10

### Complementary

Network frequency	<= 400 Hz
Mounting support	Plate with EverLink power terminal block Rail with EverLink power terminal block
Tripping threshold	1.14 +/- 0.06 I <sub>r</sub> IEC 60947-4-1
Surge withstand	6 kV IEC 60801-5
[I <sub>th</sub> ] conventional free air thermal current	5 A control circuit
[U <sub>e</sub> ] rated operational voltage	1000 V AC 50/60 Hz power circuit IEC 60947-4-1
[U <sub>i</sub> ] rated insulation voltage	600 V power circuit UL 600 V power circuit CSA 1000 V power circuit IEC 60947-4-1
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV
Phase failure sensitivity	Tripping current I 30 % of I <sub>r</sub> on one phase, the others at I <sub>r</sub> IEC 60947-4-1
Reset	Automatic reset Manual reset
Temperature compensation	-20...60 °C
Tightening torque	1,7 N.m control circuit screw clamp terminals 5 N.m power circuit screw clamp terminals 8 N.m power circuit screw clamp terminals
Height	70 mm
Width	55 mm
Depth	116 mm
Product weight	0,375 kg

## Environment

Standards	CSA C22-2 No 14 Directive ATEX 94/9/EC EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
Product certifications	ATEX INERIS BV CCC CSA DNV (Det Norske Veritas) GL GOST LROS RINA UL
Protective treatment	TH IEC 60068
IP degree of protection	IP2x VDE 0106
Ambient air temperature for operation	-40...70 °C with derating IEC 60947-4-1 -20...60 °C without derating IEC 60947-4-1
Ambient air temperature for storage	-60...70 °C
Fire resistance	850 °C IEC 60695-2-1
Shock resistance	15 gn 11 ms IEC 60068-2-7
Vibration resistance	6 gn on plate IEC 60068-2-6
Dielectric strength	6 kV 50 Hz IEC 60255-5