



### Main

Range of product	TeSys D
Device short name	LRD
Product or component type	Differential thermal overload relay
Relay application	Motor protection
Product compatibility	LC1D115 LC1D150
Network type	AC
Overload tripping class	Class 10A IEC 60947-4-1
Thermal protection adjustment range	95...120 A
Protection type	BS88 fuse 200 A power circuit BS fuse 5 A control circuit GB2 circuit breaker 5 A control circuit AM fuses 125 A power circuit GG fuse 200 A power circuit GG fuse 5 A control circuit
Connections - terminals	Screw clamp terminals power circuit 1 4...50 mm <sup>2</sup> solid without Screw clamp terminals power circuit 1 4...35 mm <sup>2</sup> flexible with 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 power circuit 1 4...50 mm <sup>2</sup> flexible without Screw clamp terminals control circuit 2 1...2,5 mm <sup>2</sup> solid without Screw clamp terminals control circuit 1 1...2,5 mm <sup>2</sup> solid without
Quantity per set	Set of 10

### Complementary

Network frequency	<= 400 Hz
Mounting support	Under contactor
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 CSA 600 V power circuit UL 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 9 N.m power circuit screw clamp terminals
Height	132 mm
Width	95 mm

Product weight	0,9 kg
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## Environment

Standards	CSA C22-2 No 14 EN 60947-4-1 EN 60947-5-1 IEC 60947-4-1 IEC 60947-5-1 UL 508
Product certifications	BV CCC CSA GOST 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
RoHS EUR conformity date	0849
RoHS EUR status	Compliant