

LRD340

thermal overload relay for motor TeSys -
25...40A - class 10A

Main

Range of product	TeSys D
Product or component type	Differential thermal overload relay
Device short name	LRD
Relay application	Motor protection
Product compatibility	GV2L GV3L LC1D40A...LC1D65A LC1D80 LC1D95
Network type	AC DC
Overload tripping class	Class 10A conforming to IEC 60947-4-1
Thermal protection adjustment range	30...40 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
Quantity per set	Set of 10

Complementary

Network frequency	0...400 Hz
Mounting support	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 control circuit
Permissible current	0.06 A at 440 V DC-13 for power circuit 0.95 A at 380 V AC-15 for power circuit
[U _e] rated operational voltage	1000 V AC 50/60 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
Temperature compensation	-20...60 °C
Tightening torque	Control circuit: 1.7 N.m - on screw clamp terminals Power circuit: 8 N.m - on screw clamp terminals Power circuit: 5 N.m - on screw clamp terminals
Height	70 mm
Width	55 mm
Depth	116 mm
Product weight	0.375 kg

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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 GL GOST LROS (Lloyds register of shipping) RINA UL
IP degree of protection	IP2x conforming to VDE 0106
Ambient air temperature for storage	-60...70 °C
Fire resistance	850 °C conforming to IEC 60695-2-1