

Metal cylindrical shape inductive sensors **LR12X** series

Features

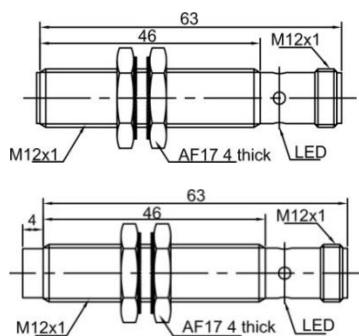
- ◆ Special compensating circuit design,;
- ◆ Wider tempature range -40~+70°C;
- ◆ Perfect choice for Cryogenic system, outdoor condition etc


Part number

NPN NO	LR12XBF02DNOW1-E2	LR12XBN04DNOW1-E2	PNP NO	LR12XBF02DPOW1-E2	LR12XBN04DPOW1-E2
NPN NC	LR12XBF02DNCW1-E2	LR12XBN04DNCW1-E2	PNP NC	LR12XBF02DPCW1-E2	LR12XBN04DPCW1-E2

Technical specifications

Mounting	Flush	Non-flush	Current consumption	≤15mA
Rated distance [Sn]	2mm	4mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...1.6mm0...3.2mm		Output indicator	Yellow LED
Dimensions	M12*63mm	M12*67mm	Ambient temperature	-40°C...70°C
Output	NO/NC(depends on part number)		Ambient humidity	35...95%RH
Supply voltage	10...30 VDC		Switching frequency [F]	1500 Hz 1000 Hz
Standard target	Fe 12*12*1t	Fe12*12*1t	Voltage withstand	1000V/AC 50/60Hz 60s
Switch-point drifts[%/Sr]	≤ ± 10%		Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	1...20%		Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	≤ 3%		Degree of protection	IP67
Load current	≤ 200mA		Housing material	Nickel-copper alloy
Residual voltage	≤ 2.5V		Connection type	M12 connector

Dimensions

Wiring diagram
