

Self-diagnosis inductive sensors **LR12X** series

Features

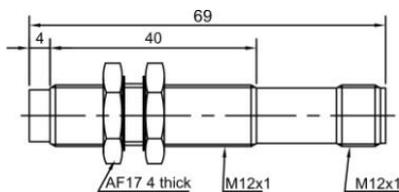
- ◆ Non contact detection, safe and reliable;
- ◆ ASIC design;
- ◆ Additional monitoring function to the signal generated from sensor


Part number

PNP NO	LR12XBN37HPOZ-E2	PNP NC	LR12XBN37HPCZ-E2
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Technical specifications

Mounting	Non-flush	Current consumption	≤25mA
Rated distance [Sn]	3.7mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...2.96mm	Output indicator	...
Dimensions	M12*69mm	Ambient temperature	-25°C...70°C
Output	NO/NC (depends on part number)	Ambient humidity	35...95%RH
Supply voltage	20...30 VDC	Switching frequency [F]	300Hz
Standard target	Fe 12*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]	≤ 5%	Degree of protection	IP67
Load current	≤ 130mA	Housing material	Nickel-copper alloy
Residual voltage	≤ 5V	Connection type	M12 connector

Dimensions

Wiring diagram
