

Metal cylindrically shaped inductive sensors **LIR12X** series



Features

- ◆ Extended sensing distance
- ◆ ASIC design, safe and reliable
- ◆ Perfect choice for metallic target detection



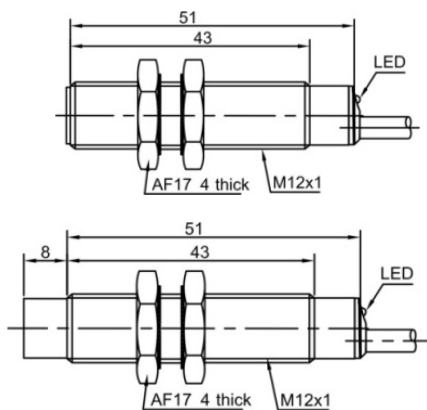
Part number

NPN NO	LIR12XBF04DNOY	LIR12XBN08DNOY	PNP NO	LIR12XBF04DPOY	LIR12XBN08DPOY
NPN NC	LIR12XBF04DNCY	LIR12XBN08DNCY	PNP NC	LIR12XBF04DPCY	LIR12XBN08DPCY
NPN NO+NC	LIR12XBF04DNRY	LIR12XBN08DNRY	PNP NO+NC	LIR12XBF04DPRY	LIR12XBN08DPRY

Technical specifications

Mounting	Quasi -flush	Non-flush	Current consumption	≤15mA
Rated distance [Sn]	4mm	8mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...3.2mm	0...6.4mm	Output indicator	Yellow LED
Dimensions	M12*51mm	M12*59mm	Ambient temperature	-25°C...70°C
Output	NO/NC (depends on part number)		Ambient humidity	35-95%RH
Supply voltage	10...30 VDC		Switching frequency [F]	800 Hz 500 Hz
Standard target	Fe 12*12*1t	Fe 24*24*1t	Dielectric strength	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	2m PVC cable

Dimensions



Wiring diagram

