

Metal cylindrical shape inductive sensors **LR12X** series

Features

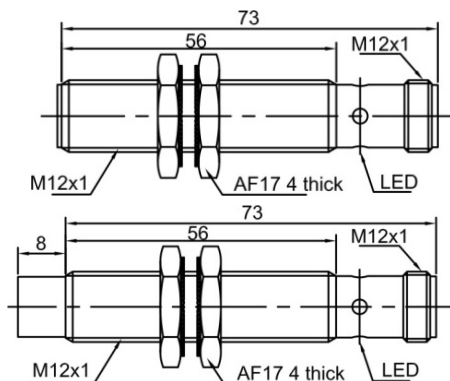
- ◆ Extended sensing distance;
- ◆ ASIC design, safe and reliable;
- ◆ Perfect choice for metallic target detection;


Part number

NPN NO	LR12XCF06DNOY-E2	LR12XCN10DNOY-E2	PNP NO	LR12XCF06DPOY-E2	LR12XCN10DPOY-E2
NPN NC	LR12XCF06DNCY-E2	LR12XCN10DNCY-E2	PNP NC	LR12XCF06DPCY-E2	LR12XCN10DPCY-E2
NPN NO+NC	LR12XCF06DNRY-E2	LR12XCN10DNRY-E2	PNP NO+NC	LR12XCF06DPRY-E2	LR12XCN10DPRY-E2

Technical specifications

Mounting	Quasi -flush	Non-flush	Leakage current [I _r]	≤15mA	
Rated distance [S _n]	6mm	10mm	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [S _a]	0...4.8mm	0...8mm	Output indicator	Yellow LED	
Dimensions	M12*73mm	M12*81mm	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]	500 Hz	300 Hz
Standard target	Fe 18*18*1t	Fe 30*30*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
