

Metal cylindrical shape inductive sensors **LR30X** series

Features

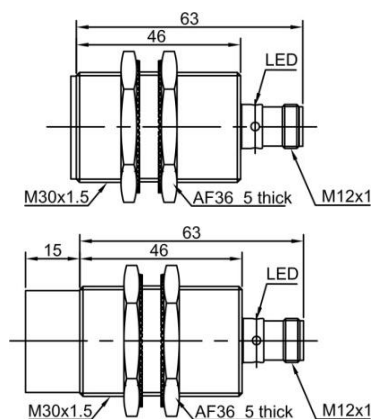
- ◆ Extended sensing distance;
- ◆ ASIC design, safe and reliable;
- ◆ Perfect choice for metallic target detection;


Part number

NPN NO	LR30XBF15DNOY-E2	LR30XBN22DNOY-E2	PNP NO	LR30XBF15DPOY-E2	LR30XBN22DPOY-E2
NPN NC	LR30XBF15DNCY-E2	LR30XBN22DNCY-E2	PNP NC	LR30XBF15DPCY-E2	LR30XBN22DPCY-E2
NPN NO+NC	LR30XBF15DNRY-E2	LR30XBN22DNRY-E2	PNP NO+NC	LR30XBF15DPRY-E2	LR30XBN22DPRY-E2

Technical specifications

Mounting	Quasi -flush	Non-flush	Current consumption	≤15mA	
Rated distance [Sn]	15mm	22mm	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [Sa]	0...12mm	0...17.6mm	Output indicator	Yellow LED	
Dimensions	M30*63mm	M30*78 mm	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]	300 Hz	150 Hz
Standard target	Fe 45*45*1t/Fe 66*66*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
