

Metal cylindrical shape inductive sensors **LR30X** series

Features

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


Part number

DC 2 wires NO LR30XBF15DLOY-E2 LR30XBN22DLOY-E2

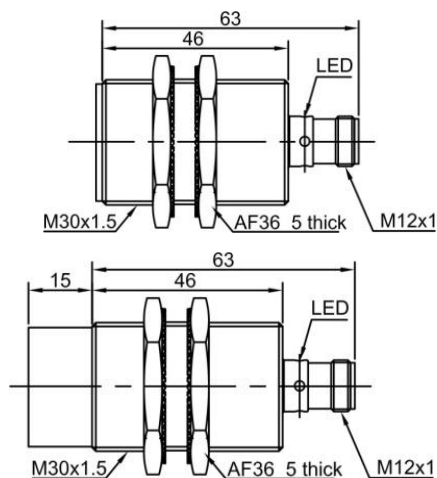
DC 2 wires NC

LR30XBF15DLCY-E2

LR30XBN22DLCY-E2

Technical specifications

Mounting	Quasi -flush	Non-flush	Leakage current [Ir]	≤1mA	
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*78mm	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	≤ 100mA		Housing material	Nickel-copper alloy	
Residual voltage	≤ 6V		Connection type	M12 connector	

Dimensions

Wiring diagram
