

Metal cylindrical shape inductive sensors LR30X series



Features

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



Part number

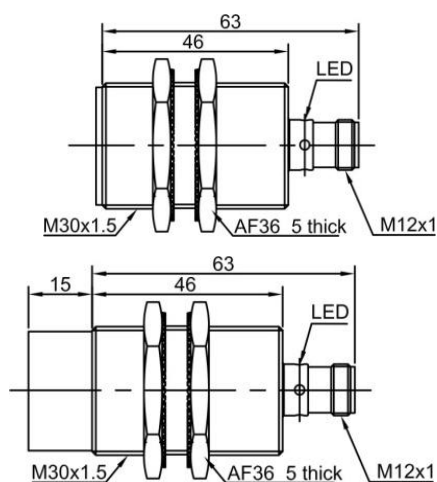
DC 2 wires NO LR30XBF15DLOY-E2 LR30XBN22DLOY-E2

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...12mm0...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*1tFe 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

