

Metal cylindrical shape inductive sensors LR30X series



Features

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



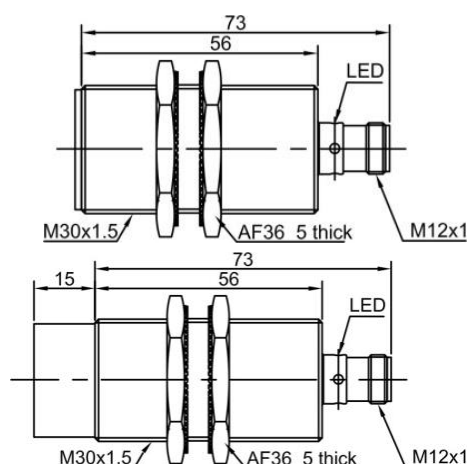
Part number

AC/DC 2 wiresNO	LR30XCF15SBOY-E2	LR30XCN22SBOY-E2	AC/DC 2 wiresNC	LR30XCF15SBCY-E2	LR30XCN22SBCY-E2
-----------------	------------------	------------------	-----------------	------------------	------------------

Technical specifications

Mounting	Quasi -flush	Non-flush	Leakage current [Ir]	AC: ≤3mA	DC: ≤1mA
Rated distance [Sn]	15mm	22mm	Circuit protection		
Assured distance [Sa]	0...12mm	0...17.6mm	Output indicator	Yellow LED	
Dimensions	M30*73mm	M30*88mm	Ambient temperature	-25°C...70°C	
Output	NO/NC(depends on part number)		Ambient humidity	35-95%RH	
Supply voltage	20...250V AC/DC		Switching frequency [F]	AC: 20 Hz	DC: 300 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	AC: ≤300mA DC: ≤100mA		Housing material	Nickel-copper alloy	
Residual voltage	AC: ≤10V DC: ≤8V		Connection type	M12 connector	

Dimensions



Wiring diagram

