

Metal cylindrically shaped inductive sensors **LIR08** series



Features

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



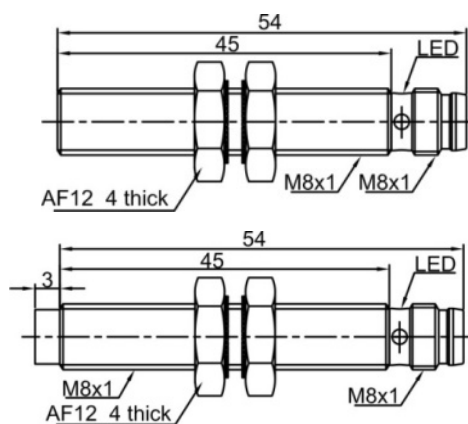
Part number

NPN NO	LIR08BF02DNOY-E1	LIR08BN04DNOY-E1	PNP NO	LIR08BF02DPOY-E1	LIR08BN04DPOY-E1
NPN NC	LIR08BF02DNCY-E1	LIR08BN04DNCY-E1	PNP NC	LIR08BF02DPCY-E1	LIR08BN04DPCY-E1

Technical specifications

Mounting	Quasi-flush	Non-flush	Current consumption	≤10mA	
Rated distance [Sn]	2mm	4mm	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [Sa]	0...1.6mm	0...3.2mm	Output indicator	Yellow LED	
Dimensions	M8*54mm	M8*57mm	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]	1500Hz	1000Hz
Standard target	Fe 8*8*1t	Fe 12*12*1t	Dielectric strength		
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	≤150mA		Housing material	Stainless steel	
Residual voltage	≤2.5V		Connection type	M8 connector	

Dimensions



Wiring diagram

