

Standard function type inductive sensors **LR08** series


Features

- ◆ Non contact detection, safe and reliable;
- ◆ ASIC design;
- ◆ Perfect choice for metallic targets detection;



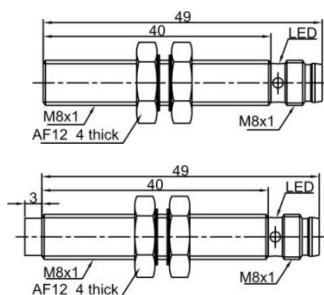
Part number

NPN NO	LR08BF15DNO-E1	LR08BN02DNO-E1	PNP NO	LR08BF15DPO-E1	LR08BN02DPO-E1
NPN NC	LR08BF15DNC-E1	LR08BN02DNC-E1	PNP NC	LR08BF15DPC-E1	LR08BN02DPC-E1

Technical specifications

Mounting	Flush	Non-flush	Current consumption	≤10mA	
Rated distance [Sn]	1.5mm	2mm	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [Sa]	0...1.2mm 0...1.6mm		Output indicator	Yellow LED	
Dimensions	M8*49mm	M8*52mm	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]	2000 Hz	1500Hz
Standard target	Fe 8*8*1t	Fe 8*8*1t	Voltage withstand	...	
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

