

Metal cylindrical shape inductive sensors **LR08** series

Features

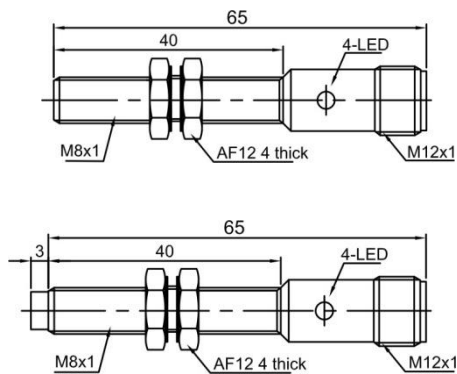
- ◆ Extended sensing distance;
- ◆ ASIC design, safe and reliable;
- ◆ Perfect choice for metallic target detection;


Part number

DC 2wires NO		DC 2wires NC	
LR08BF02DLOY-E2	LR08BN04DLOY-E2	LR08BF02DLCY-E2	LR08BN04DLCY-E2

Technical specifications

Mounting	Quasi-flush Non-flush	Leakage current [I _r]	≤1mA
Rated distance [S _n]	2mm 4mm	Circuit protection	Reverse polarity
Assured distance [S _a]	0...1.6mm 0...3.2mm	Output indicator	YellowLED
Dimensions	M8*65mm M8*68mm	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]	1000Hz 800 Hz
Standard target	Fe 8*8*1t Fe12*12*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	≤ 100mA	Housing material	Nickel-copper alloy
Residual voltage	≤ 6V	Connection type	M12 connector

Dimensions

Wiring diagram
