Metal cylindrical shape inductive sensors **LR08** series



Features

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

CE

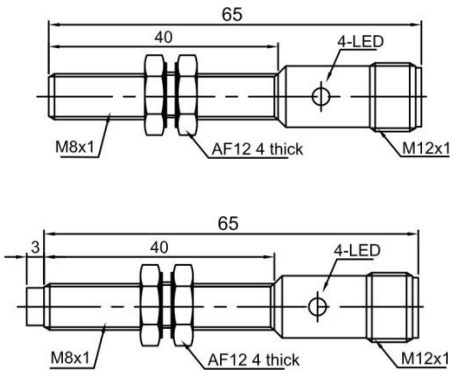
Part number

NPN	NO	LR08BF02DNOY-E2	LR08BN04DNOY-E2	PNP	NO	LR08BF02DPOY-E2	LR08BN04DPOY-E2
NPN	NC	LR08BF02DNCY-E2	LR08BN04DNCY-E2	PNP	NC	LR08BF02DPCY-E2	LR08BN04DPCY-E2

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*65mm	M8*68mm	Ambient temperature	-25℃…70℃
Output	NO/NC(depends on part number)		Ambient humidity	35-95%RH
Supply voltage	10…30 VDC		Switching frequency [F]	1000Hz
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	≤150mA		Housing material	Nickel-copper alloy
Residual voltage	≤2.5V		Connection type	M12 connector

Dimensions



Wiring diagram

