

Metal cylindrical shape inductive sensors LR6.5Q series



Features

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



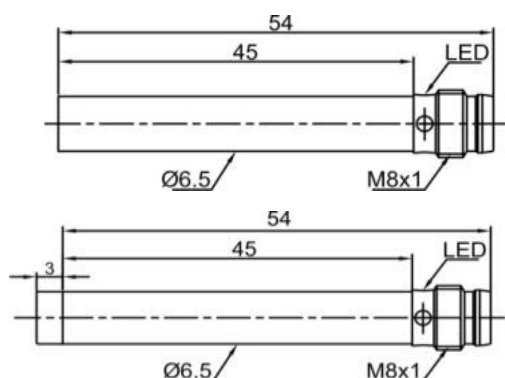
Part number

NPN NO	LR6.5QBF02DNOY-E1	LR6.5QBN04DNOY-E1	PNP NO	LR6.5QBF02DPOY-E1	LR6.5QBN04DPOY-E1
NPN NC	LR6.5QBF02DNCY-E1	LR6.5QBN04DNCY-E1	PNP NC	LR6.5QBF02DPCY-E1	LR6.5QBN04DPCY-E1

Technical specifications

Mounting	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	YellowLED
Dimensions	Φ 6.5*54mm	Φ 6.5*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]	1000Hz 800Hz
Standard target	Fe 8*8*1tFe12*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	Stainless steel
Residual voltage	≤2.5V		Connection type	M8 connector

Dimensions



Wiring diagram

