

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

DC 2 wires NO LR6.5QBF02DLOY-E1 LR6.5QBN04DLOY-E1

DC 2 wires NC

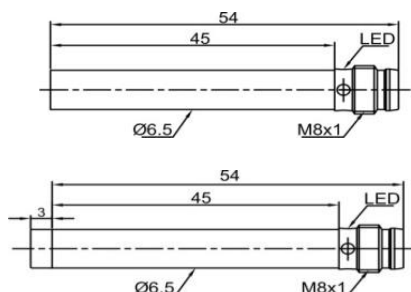
LR6.5QBF02DLCY-E1

LR6.5QBN04DLCY-E1

Technical specifications

Mounting	Quasi-flushNon-flush	Leakage current [Ir]	≤1mA
Rated distance [Sn]	2mm4mm	Circuit protection	Reverse polarity
Assured distance [Sa]	0...1.6mm0...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]	1000Hz800Hz
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	≤ 100mA	Housing material	Stainless steel
Residual voltage	≤ 6V	Connection type	M8 connector

Dimensions



Wiring diagram

