

Metal cylindrical shape inductive sensors **LR6.5Q** series



Features

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



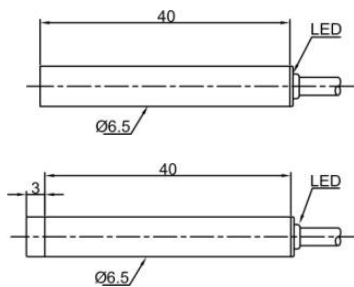
Part number

DC 2wires NO	LR6.5QBF02DLOY	LR6.5QBN04DLOY	DC 2 wires NC	LR6.5QBF02DLCY	LR6.5QBN04DLCY
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Technical specifications

Mounting	Quasi-flush Non-flush	Leakage current [Ir]	≤1mA	
Rated distance [Sn]	2mm 4mm	Circuit protection	Reverse polarity	
Assured distance [Sa]	0...1.6mm 0...3.2mm	Output indicator	Yellow LED	
Dimensions	Φ6.5*40mm Φ6.5*43mm	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*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	Stainless steel	
Residual voltage	≤6V	Connection type	2m PVC cable	

Dimensions



Wiring diagram

