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



Features

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

CE

Part number

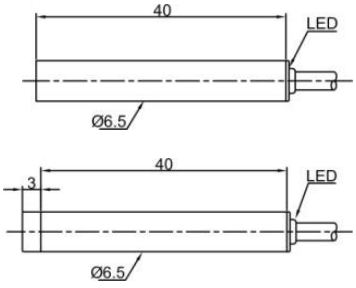
DC 2wires NO	LR6.5QBF02DLOY	LR6.5QBN04DLOY
DC 2 wires NC	LR6.5QBF02DLCY	LR6.5QBN04DLCY

Technical specifications

Mounting	Quasi-flush	Non-flush	
Rated distance [Sn]	2mm	4mm	
Assured distance [Sa]	0…1.6mm	0…3.2mm	
Dimensions	Φ6.5*40mm	Φ6.5*43mm	
Output	NO/NC(depends on part number)		
Supply voltage	10…30 VDC		
Standard target	Fe 8*8*1t	Fe12*12*1t	
Switch-point drifts[%/Sr]	≤±10%		
Hysteresis range [%/Sr]	1…20%		
Repeat accuracy [R]	≤3%		
Load current	≤100mA		
Residual voltage	≤6V		

Leakage current [Ir]	≤1mA		
Circuit protection	Reverse polarity		
Output indicator	YellowLED		
Ambient temperature	-25℃…70℃		
Ambient humidity	35-95%RH		
Switching frequency [F]	1000Hz	800Hz	
Voltage withstand	……		
Insulation resistance	≥50MΩ (500VDC)		
Vibration resistance	10…50Hz (1.5mm)		
Degree of protection	IP67		
Housing material	Stainless steel		
Connection type	2m PVC cable		

Dimensions



Wiring diagram

