

Standard function type inductive sensors **LR6.5** series



Features

- ◆ Non contact detection, safe and reliable;
- ◆ ASIC design;
- ◆ Perfect choice for metallic targets detection;



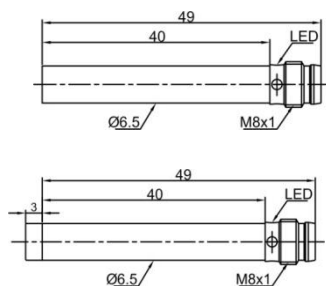
Part number

NPN NO	LR6.5QBF15DNO-E1	LR6.5QBN02DNO-E1	PNP NO	LR6.5QBF15DPO-E1	LR6.5QBN02DPO-E1
NPN NC	LR6.5QBF15DNC-E1	LR6.5QBN02DNC-E1	PNP NC	LR6.5QBF15DPC-E1	LR6.5QBN02DPC-E1

Technical specifications

Mounting	Flush	Non-flush	Current consumption	$\leq 10\text{mA}$	
Rated distance [Sn]	1.5mm	2mm	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [Sa]	0...1.2mm 0...1.6mm		Output indicator	Yellow LED	
Dimensions	$\Phi 6.5 \times 49\text{mm} \Phi 6.5 \times 52\text{mm}$		Ambient temperature	$-25^{\circ}\text{C} \dots 70^{\circ}\text{C}$	
Output	NO/NC(depends on part number)		Ambient humidity	35-95%RH	
Supply voltage	10...30 VDC		Switching frequency [F]	2000 Hz	1500Hz
Standard target	Fe 8*8*1t Fe 8*8*1t		Voltage withstand	...	
Switch-point drifts [%/Sr]	$\pm 10\%$		Insulation resistance	$\geq 50\text{M}\Omega (500\text{VDC})$	
Hysteresis range [%/Sr]	1...20%		Vibration resistance	10...50Hz (1.5mm)	
Repeat accuracy [R]	$\leq 3\%$		Degree of protection	IP67	
Load current	$\leq 150\text{mA}$		Housing material	Stainless steel	
Residual voltage	$\leq 2.5\text{V}$		Connection type	M8 connector	

Dimensions



Wiring diagram

