

Metal cylindrical shape inductive sensors LR30X series



Features

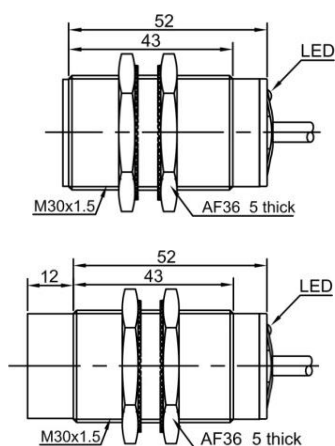
- ◆ Special compensating circuit design,;
- ◆ Wider tempature range -40~+70°C;
- ◆ Perfect choice for Cryogenic system, outdoor condition etc



Part number							
NPN	NO	LR30XBF10DNOW1	LR30XBN15DNOW1	PNP	NO	LR30XBF10DPOW1	LR30XBN15DPOW1
NPN	NC	LR30XBF10DNCW1	LR30XBN15DNCW1	PNP	NC	LR30XBF10DPCW1	LR30XBN15DPCW1

Technical specifications					
Mounting	Flush	Non-flush	Current consumption	≤15mA	
Rated distance [Sn]	10mm	15mm	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [Sa]	0...8mm	0...12mm	Output indicator	Yellow LED	
Dimensions	M30*52mm	M30*64mm	Ambient temperature	-40°C...70°C	
Output	NO/NC(depends on part number)		Ambient humidity	35...95%RH	
Supply voltage	10...30 VDC		Switching frequency [F]	500 Hz	300 Hz
Standard target	Fe 30*30*1t	Fe 45*45*1t	Voltage withstand	1000V/AC 50/60Hz 60s	
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	≤200mA		Housing material	Nickel-copper alloy	
Residual voltage	≤2.5V		Connection type	2m PUR cable	

Dimensions



Wiring diagram

