

Metal cylindrical shape inductive sensors LR30X series



Features:

- ◆ Special compensating circuit design
- ◆ Wider temperature range -25~+180
- ◆ Suitable for all kinds of harsh environments

Part number					
NPN NO	LR30XBF10DNCW4	LR30XBN15DNCW4	PNP NO	LR30XBF10DPCW4	LR30XBN15DPCW4
NPN NC	LR30XBF10DNCW4	LR30XBN15DNCW4	PNP NC	LR30XBF10DPCW4	LR30XBN15DPCW4

Technical specifications					
Mounting	Flush	Non-flush	Circuit protection	Reverse polarity protection	
Rated distance	10mm	15mm	Output indication		
Ensure distance	0...8mm	0...12mm	Ambient temperature	-25°C...+180°C	
Dimensions	M30*101mm	M30*111mm	Environment humidity	35-95%RH	
Output	NO/NC(Depending on model)		Switching frequency	200 Hz	1 00 Hz
Supply voltage	10...30 VDC		Withstand voltage	1000V/AC 50/60Hz 60s	
Standard target	Fe 30*30*1t	Fe 45*45*1t	Insulation resistance	≥50MΩ (500VDC)	
Switch point offset	≤ ± 10%		Vibration resistant	Complex amplitude 1.5mm 10..50Hz (2 hours each in X, Y, and Z directions)	
Hysteresis range	1...20%		Protection degree	IP68	
Repetitive error	≤5%		Housing material	Stainless steel	
Load current	≤100mA		Sensing surface material	PEEK	
Residual voltage	≤2.5V		Connection type	2m Teflon cable	
Current consumption	≤15mA				

Dimensions	Wiring diagram
 	   