

Metal cylindrical shape inductive sensors **LR18X** series



Features

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



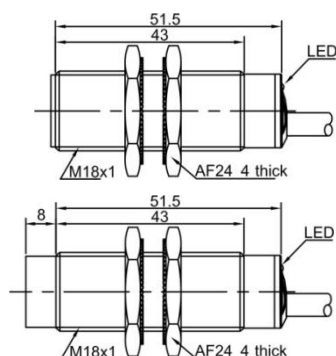
Part number

NPN NO	LR18XBF05DNOW1	LR18XBN08DNOW1	PNP NO	LR18XBF05DPOW1	LR18XBN08DPOW1
NPN NC	LR18XBF05DNCW1	LR18XBN08DNCW1	PNP NC	LR18XBF05DPCW1	LR18XBN08DPCW1

Technical specifications

Mounting	Flush	Non-flush	Current consumption	≤15mA	
Rated distance [Sn]	5mm	8mm	Circuit protection	Short-circuit, overload and reverse polarity	
Assured distance [Sa]	0...4mm	0...6.4mm	Output indicator	Yellow LED	
Dimensions	M18*51.5mm	M18*59.5mm	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]	1000 Hz	800 Hz
Standard target	Fe 18*18*1t	Fe 24*24*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

