

Welding immune inductive sensors **LR18X** series

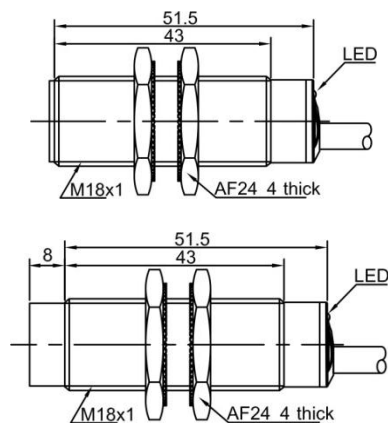
Features

- ◆ Flexible specifications optional for various applications;
- ◆ PTFE housing design, effective protection;
- ◆ Lanbao patent technology;
- ◆ Perfect choice for soldering application.



Part number						
NPN NO	LR18XBF05DNOA	LR18XBN08DNOA	PNP NO	LR18XBF05DPOA	LR18XBN08DPOA	
NPN NC	LR18XBF05DNCA	LR18XBN08DNCA	PNP NC	LR18XBF05DPCA	LR18XBN08DPCA	

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	-25°C...70°C		
Output	NO/NC(depends on part number)		Anti magnetic interference	100mT		
Supply voltage	10...30 VDC		Switching frequency [F]	1500 Hz	1000 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 coated with PTFE		
Residual voltage	≤2.5V		Connection type	2m PVC cable		

Dimensions

Wiring diagram
