

Welding immune inductive sensors **LR18X** series

**Features**

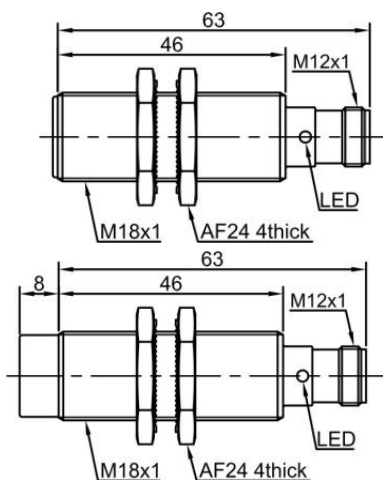
- ◆ Flexible specifications optional for various applications;
- ◆ PTFE housing design, effective protection;
- ◆ Lanbao patent technology;
- ◆ Perfect choice for soldering application.


**Part number**

NPN NO	LR18XBF05DNOA-E2	LR18XBN08DNOA-E2	PNP NO	LR18XBF05DPOA-E2	LR18XBN08DPOA-E2
NPN NC	LR18XBF05DNCA-E2	LR18XBN08DNCA-E2	PNP NC	LR18XBF05DPCA-E2	LR18XBN08DPCA-E2

**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*63mm	M18*71mm	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	M12 connector

**Dimensions**

**Wiring diagram**
