

Welding immune inductive sensors **LR30X** series

**Features**

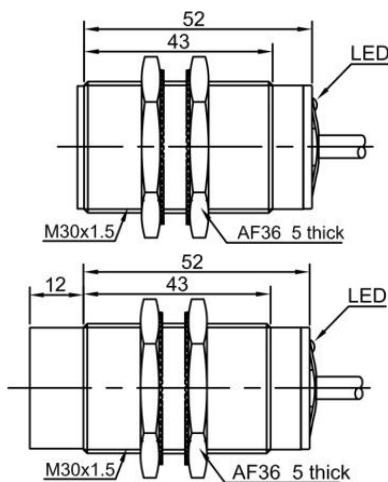
- ◆ Flexible specifications optional for various applications;
- ◆ PTFE housing design, effective protection;
- ◆ Lanbao patent technology;
- ◆ Perfect choice for soldering application.


**Part number**

|        |               |               |        |               |               |
|--------|---------------|---------------|--------|---------------|---------------|
| NPN NO | LR30XBF10DNOA | LR30XBN15DNOA | PNP NO | LR30XBF10DPOA | LR30XBN15DPOA |
| NPN NC | LR30XBF10DNCA | LR30XBN15DNCA | PNP NC | LR30XBF10DPCA | LR30XBN15DPCA |

**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        | -25°C...70°C                                 |        |
| Output                     | NO/NC(depends on part number) |             | Anti magnetic interference | 100mT  |        |
| Supply voltage             | 10...30 VDC                   |             | Switching frequency [F]    | 800 Hz                                       | 500 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 coated with PTFE         |        |
| Residual voltage           | ≤2.5V                         |             | Connection type            | 2m PVC cable                                 |        |

**Dimensions**

**Wiring diagram**
