

## Standard function type inductive sensors **LR18X** series



### Features

- ◆ Non contact detection, safe and reliable;
- ◆ ASIC design;
- ◆ Perfect choice for metallic targets detection;



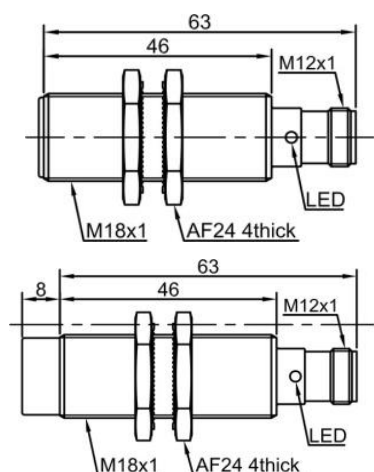
### Part number

|               |                 |                 |              |                 |                 |
|---------------|-----------------|-----------------|--------------|-----------------|-----------------|
| DC 2 wires NO | LR18XBF05DLO-E2 | LR18XBN08DLO-E2 | DC 2wires NC | LR18XBF05DLC-E2 | LR18XBN08DLC-E2 |
|---------------|-----------------|-----------------|--------------|-----------------|-----------------|

### Technical specifications

|                            |                               |             |                         |                                              |        |
|----------------------------|-------------------------------|-------------|-------------------------|----------------------------------------------|--------|
| Mounting                   | Flush                         | Non-flush   | Leakage current [Ir]    | ≤1mA                                         |        |
| 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) |             | Ambient humidity        | 35-95%RH                                     |        |
| Supply voltage             | 10...30 VDC                   |             | Switching frequency [F] | 500 Hz                                       | 300 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               | ≤ 100mA                       |             | Housing material        | Nickel-copper alloy                          |        |
| Residual voltage           | ≤ 6V                          |             | Connection type         | M12 connector                                |        |

### Dimensions



### Wiring diagram

