

## Metal cylindrical shape inductive sensors LR18X series



### Features

- ◆ Extended sensing distance;
- ◆ ASIC design, safe and reliable;
- ◆ Perfect choice for metallic target detection;



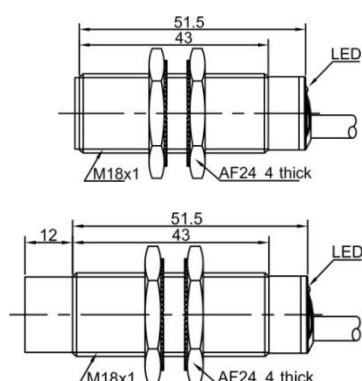
### Part number

|               |               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|---------------|
| DC 2 wires NO | LR18XBF08DLOY | LR18XBN12DLOY | DC 2 wires NC | LR18XBF08DLCY | LR18XBN12DLCY |
|---------------|---------------|---------------|---------------|---------------|---------------|

### Technical specifications

|                           |                               |            |                         |                                              |        |
|---------------------------|-------------------------------|------------|-------------------------|----------------------------------------------|--------|
| Mounting                  | Quasi -flush                  | Non-flush  | Leakage current [Ir]    | ≤1mA                                         |        |
| Rated distance [Sn]       | 8mm                           | 12mm       | Circuit protection      | Short-circuit, overload and reverse polarity |        |
| Assured distance [Sa]     | 0...6.4mm                     | 0...9.6mm  | Output indicator        | Yellow LED                                   |        |
| Dimensions                | M18*51.5mm                    | M18*63.5mm | 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] | 400 Hz                                       | 200 Hz |
| Standard target           | Fe 24*24*1tFe 36*36*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         | 2m PVC cable                                 |        |

### Dimensions



### Wiring diagram

