

## Analog output type inductive sensors **LR18X** series



### Features

- ◆ Providing equivalent signal output along with target position;
- ◆ 0-10V, 0-20mA, 4-20mA analog output;
- ◆ Perfect choice for displacement and thickness measurement;



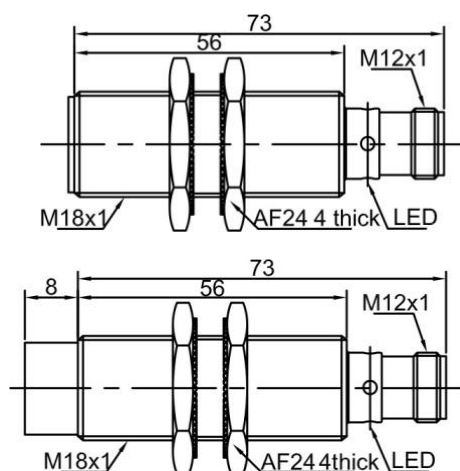
### Part number

|        |                 |                 |                |                  |                  |
|--------|-----------------|-----------------|----------------|------------------|------------------|
| 0-10V  | LR18XCF05LUM-E2 | LR18XCN08LUM-E2 | 4-20mA         | LR18XCF05LI4M-E2 | LR18XCN08LI4M-E2 |
| 0-20mA | LR18XCF05LIM-E2 | LR18XCN08LIM-E2 | 0-10V + 0-20mA | LR18XCF05LIUM-E2 | LR18XCN08LIUM-E2 |

### Technical specifications

|                            |                                          |             |                         |                                                |        |
|----------------------------|------------------------------------------|-------------|-------------------------|------------------------------------------------|--------|
| Mounting                   | Flush                                    | Non-flush   | Current consumption     | $\leq 20\text{mA}$                             |        |
| Rated distance [Sn]        | 5mm                                      | 8mm         | Circuit protection      | Reverse polarity protection                    |        |
| Sensing distance           | 1...5mm                                  | 1.6...8mm   | Output indicator        | Yellow LED                                     |        |
| Dimensions                 | M18*73mm                                 | M18*81 mm   | Ambient temperature     | $-25^{\circ}\text{C} \dots 70^{\circ}\text{C}$ |        |
| Output                     | Current, voltage or current+voltage      |             | Ambient humidity        | 35...95%RH                                     |        |
| Supply voltage             | 15...30 VDC                              |             | Switching frequency [F] | 200 Hz                                         | 100 Hz |
| Standard target            | Fe 18*18*1t                              | Fe 24*24*1t | Voltage withstand       | 1000V/AC 50/60Hz 60s                           |        |
| Switch-point drifts [%/Sr] | $\leq \pm 10\%$                          |             | Insulation resistance   | $\geq 50\text{M}\Omega (500\text{VDC})$        |        |
| Linearity                  | $\leq \pm 5\%$                           |             | Vibration resistance    | 10...50Hz (1.5mm)                              |        |
| Repeat accuracy [R]        | $\leq \pm 3\%$                           |             | Degree of protection    | IP67                                           |        |
| Load current               | Voltage output: $\geq 4.7\text{K}\Omega$ |             | Housing material        | Nickel-copper alloy                            |        |
|                            | Current output: $\leq 470\Omega$         |             | Connection type         | M12 connector                                  |        |

### Dimensions



### Wiring diagram

