

## Metal cylindrical shape inductive sensors LR30X series



### Features

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



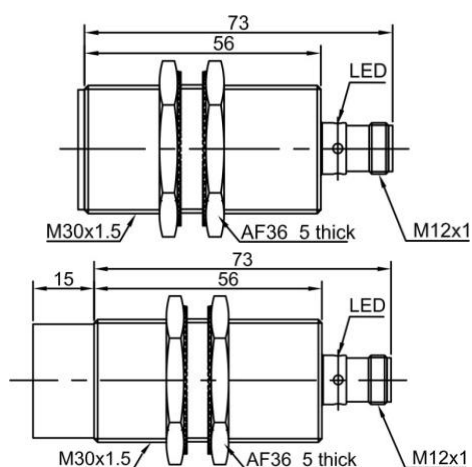
### Part number

|              |                  |                  |              |                  |                  |
|--------------|------------------|------------------|--------------|------------------|------------------|
| AC 2 wiresNO | LR30XCF15ATOY-E2 | LR30XCN22ATOY-E2 | AC 2 wiresNC | LR30XCF15ATCY-E2 | LR30XCN22ATCY-E2 |
|--------------|------------------|------------------|--------------|------------------|------------------|

### Technical specifications

|                           |                               |             |                         |                      |
|---------------------------|-------------------------------|-------------|-------------------------|----------------------|
| Mounting                  | Quasi -flush                  | Non-flush   | Leakage current [Ir]    | ≤3mA                 |
| Rated distance [Sn]       | 15mm                          | 22mm        | Circuit protection      | .....                |
| Assured distance [Sa]     | 0...12mm0...17.6mm            |             | Output indicator        | Yellow LED           |
| Dimensions                | M30*73mm                      | M30*88mm    | Ambient temperature     | -25°C...70°C         |
| Output                    | NO/NC(depends on part number) |             | Ambient humidity        | 35...95%RH           |
| Supply voltage            | 20...250 VAC                  |             | Switching frequency [F] | 20 Hz                |
| Standard target           | Fe 45*45*1t                   | Fe 66*66*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              | ≤300mA                        |             | Housing material        | Nickel-copper alloy  |
| Residual voltage          | ≤10V                          |             | Connection type         | M12 connector        |

### Dimensions



### Wiring diagram

