

Metal cylindrical shape inductive sensors
 **LR08** series

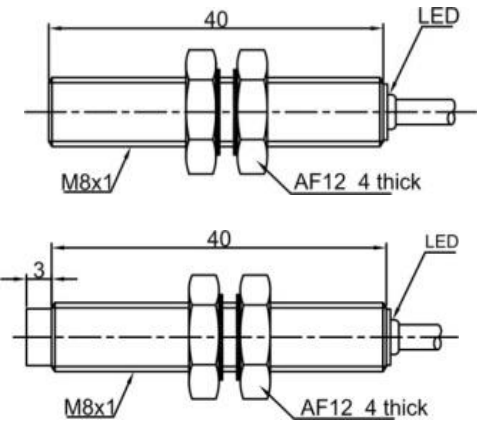


- Features
- ◆ Extended sensing distance;
  - ◆ ASIC design, safe and reliable;
  - ◆ Perfect choice for metallic target detection;



| Technical specifications  |                               |            |                         |                                              |  |
|---------------------------|-------------------------------|------------|-------------------------|----------------------------------------------|--|
| Mounting                  | Quasi-flush                   | Non-flush  | Current consumption     | ≤10mA                                        |  |
| Rated distance [Sn]       | 2mm                           | 4mm        | Circuit protection      | Short-circuit, overload and reverse polarity |  |
| Assured distance [Sa]     | 0...1.6mm                     | 0...3.2mm  | Output indicator        | Yellow LED                                   |  |
| Dimensions                | M8*40mm                       | M8*43mm    | 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] | 1000Hz                                       |  |
| Standard target           | Fe 8*8*1t                     | Fe12*12*1t | Voltage withstand       | .....                                        |  |
| 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              | ≤ 150mA                       |            | Housing material        | Stainless steel                              |  |
| Residual voltage          | ≤ 2.5V                        |            | Connection type         | 2m PVC cable                                 |  |

Dimensions



Wiring diagram

