

Metal cylindrical shape inductive sensors **LR08** series

Features

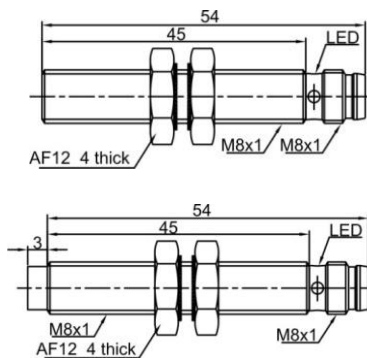
- ◆ Extended sensing distance;
- ◆ ASIC design, safe and reliable;
- ◆ Perfect choice for metallic target detection;


Part number

| | | | | | |
|--------------|-----------------|-----------------|--------------|-----------------|-----------------|
| DC 2wires NO | LR08BF02DLOY-E1 | LR08BN04DLOY-E1 | DC 2wires NC | LR08BF02DLCY-E1 | LR08BN04DLOY-E1 |
|--------------|-----------------|-----------------|--------------|-----------------|-----------------|

Technical specifications

| | | | | | |
|---------------------------|-------------------------------|-----------|-------------------------|-------------------|--------|
| Mounting | Quasi-flush | Non-flush | Leakage current [Ir] | ≤1mA | |
| Rated distance [Sn] | 2mm | 4mm | Circuit protection | Reverse polarity | |
| Assured distance [Sa] | 0...1.6mm0...3.2mm | | Output indicator | YellowLED | |
| Dimensions | M8*54mm | M8*57mm | 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 | 800 Hz |
| Standard target | Fe 8*8*1tFe12*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 | ≤ 100mA | | Housing material | Stainless steel | |
| Residual voltage | ≤ 6V | | Connection type | M8 connector | |

Dimensions

Wiring diagram
