# Metal cylindrical shape inductive sensors **LR08** series



## Features

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

CE

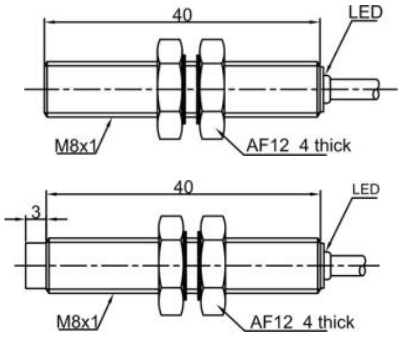
## Part number

| | | | | | |
|---|---|---|---|---|---|
| DC 2 wires NO | LR08BF02DLOY | LR08BN04DLOY | DC 2 wires NC | LR08BF02DLCY | LR08BN04DLCY |

## Technical specifications

| | | | | | |
|---|---|---|---|---|---|
| Mounting | Quasi-flush | Non-flush | Leakage current [Ir] | ≤1mA | |
| Rated distance [Sn] | 2mm | 4mm | Circuit protection | Reverse polarity | |
| Assured distance [Sa] | 0…1.6mm | 0…3.2mm | Output indicator | Yellow LED | |
| Dimensions | M8*40mm | M8*43mm | Ambient temperature | -25℃…70℃ | |
| Output | NO/NC(depends on part number) | | Ambient humidity | 35-95%RH | |
| Supply voltage | 10…30 VDC | | Switching frequency [F] | 1000Hz | 800Hz |
| 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 | ≤100mA | | Housing material | Stainless steel | |
| Residual voltage | ≤6V | | Connection type | 2m PVC cable | |

## Dimensions




## Wiring diagram

