

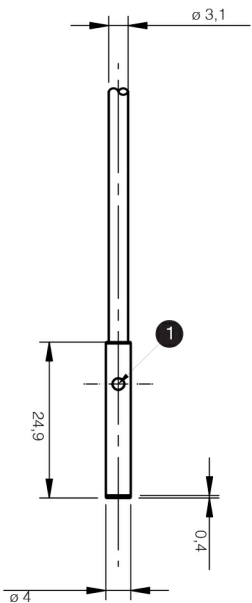


Indicative image



**Ø 4 MM CYLINDRICAL MINIATURIZED INDUCTIVE SENSORS**

- Smooth stainless steel housing
- Ø4 mm diameter
- Yellow output LED 360° visible
- Availabe 2 m PVC cable models or M8 connector models
- IP 67 protection degree



**Detection properties**

|                          |                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------|
| Nominal sensing distance | 0,8mm                                                                                        |
| Operanting distance      | 0...0,65mm                                                                                   |
| Standard target          | 4x4mm FE360                                                                                  |
| Correction Factor        | copper: 0,28 ± 10% / aluminium: 0,21 ± 10% / brass: 0,32 ± 10% / stainless steel: 0,63 ± 10% |
| Thermal drift of Sr      | < 10%                                                                                        |
| Repeat Accuracy          | 5% (UB 24V Ta=23°C ±5°C)                                                                     |
| Hysteresis               | 1 ... 20%                                                                                    |

**Outputs**

|                     |      |
|---------------------|------|
| Output type         | NPN  |
| Output Function     | NO   |
| Switching frequency | 5kHz |

**Electrical data**

|                        |            |
|------------------------|------------|
| Operating Voltage      | 10...30Vdc |
| No-Load supply current | ≤ 10mA     |

|                                    |                         |
|------------------------------------|-------------------------|
| Load current                       | ≤ 100mA                 |
| Leakage current                    | ≤ 10μA                  |
| Output voltage drop                | ≤ 1,5V @100mA           |
| Max ripple content                 | ≤10%                    |
| LED indicators                     | Yellow LED output state |
| Time delay before availability     | ≤ 50ms                  |
| Short-circuit protection           | Yes (auto-reset)        |
| Reverse Polarity Protection        | Yes                     |
| Protection against inductive loads | Yes                     |

#### Mechanical data

|                       |                          |
|-----------------------|--------------------------|
| Mounting              | Shielded                 |
| Dimensions            | Ø4 / L = 24,9mm          |
| Weight                | 30g                      |
| Housing Material      | AISI 303 Stainless Steel |
| Connections           | 2m PVC Cable             |
| Active Head Material  | PBT                      |
| Operating temperature | -25°C...+70°C            |
| Diameter/Dimension    | Ø4                       |

#### Test/Approvals

|                       |                                                |
|-----------------------|------------------------------------------------|
| Approvals             | CE cULus                                       |
| EMC compatibility     | IEC 60947-5-2                                  |
| Shocks and vibrations | Vibration IEC 60068-2-6 / Shock IEC 60068-2-27 |
| Degree of protection  | IP67                                           |

#### Generical Data

|                       |                 |
|-----------------------|-----------------|
| Dimensions            | Ø4 / L = 24,9mm |
| Operating Temperature | -25°C...+70°C   |
| Mechanical Protection | IP67            |

## ELECTRICAL DIAGRAMS OF THE CONNECTIONS



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**date of printing**

29/04/2022 04:14:47