

# Basic



**95B061121**

**IS-08-A1-03**

**NON-CONTACT DETECTION COST EFFECTIVE AND  
RELIABLE DETECTION OF ANY METAL PART**

## OVERVIEW

## TECHNICAL FEATURES

### Detection properties

|                          |                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------|
| Nominal sensing distance | 1,5mm                                                                                     |
| Operanting distance      | 0...1,21mm                                                                                |
| Standard target          | 8x8mm FE360                                                                               |
| Correction Factor        | copper: 0,2...0,5 / aluminium: 0,3...0,5 / brass: 0,4...0,6 / staineless steel: 0,7...0,9 |
| Repeat Accuracy          | < 3% (UB 24V Ta=23°C ±5°C)                                                                |
| Hysteresis               | < 10%                                                                                     |

### Application

|             |                         |
|-------------|-------------------------|
| Description | M8 standard flush mount |
|-------------|-------------------------|

|                                    |                         |
|------------------------------------|-------------------------|
| Functions                          | Proximity               |
| Outputs                            |                         |
| Output type                        | PNP                     |
| Output Function                    | NO                      |
| Switching frequency                | 1kHz                    |
| Response time                      | 0,5                     |
| Electrical data                    |                         |
| Operating Voltage                  | 10...30Vdc              |
| No-Load supply current             | ≤ 10mA                  |
| Load current                       | 200mA                   |
| Output voltage drop                | ≤ 1,2V @100mA           |
| Max ripple content                 | ≤ 10%                   |
| LED indicators                     | Yellow LED output state |
| Time delay before availability     | ≤ 50ms                  |
| Short-circuit protection           | Yes                     |
| Reverse Polarity Protection        | Yes                     |
| Emission                           | ≥100kHz                 |
| Protection against inductive loads | Yes                     |

#### Mechanical data

|            |       |
|------------|-------|
| Dimensions | Ø8x51 |
|------------|-------|

|          |          |
|----------|----------|
| Mounting | Shielded |
|----------|----------|

|          |                     |
|----------|---------------------|
| Material | Nickel-plated brass |
|----------|---------------------|

|                  |                     |
|------------------|---------------------|
| Housing material | Nickel-plated brass |
|------------------|---------------------|

|             |              |
|-------------|--------------|
| Connections | 2m PVC Cable |
|-------------|--------------|

|                      |     |
|----------------------|-----|
| Active Head Material | LCP |
|----------------------|-----|

|                   |     |
|-------------------|-----|
| Tightening torque | 2Nm |
|-------------------|-----|

|                    |    |
|--------------------|----|
| Diameter/Dimension | M8 |
|--------------------|----|

#### Test/Approvals

|           |          |
|-----------|----------|
| Approvals | CE cULus |
|-----------|----------|

#### Accessories

|                      |             |
|----------------------|-------------|
| Supplied Accessories | 2 nuts M8x1 |
|----------------------|-------------|

#### Generical Data

|            |               |
|------------|---------------|
| Dimensions | Ø8 / L = 51mm |
|------------|---------------|

|                       |               |
|-----------------------|---------------|
| Operating Temperature | -25°C...+70°C |
|-----------------------|---------------|

|                       |      |
|-----------------------|------|
| Mechanical Protection | IP67 |
|-----------------------|------|

Strada S.Caterina, 235  
41122 Modena (MO)  
Tel. 059 420411  
Fax 059 253973  
E-mail  
[info@datasensing.com](mailto:info@datasensing.com)

10/08/2026  
08:19:17