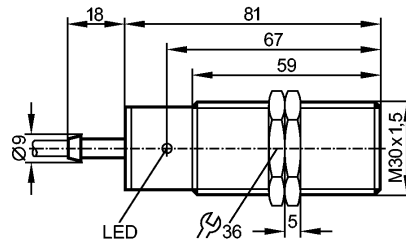


**II5256**

IIA3010-BPKG

Inductive sensors



**Product characteristics**

Inductive sensor

Metal thread M30 x 1.5

Cable

Sensing range 10 mm; [f] flush mountable

**Electrical data**

|                             |            |
|-----------------------------|------------|
| Electrical design           | DC PNP     |
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15 (24 V)  |
| Protection class            | II         |
| Reverse polarity protection | yes        |

**Outputs**

|                          |                    |
|--------------------------|--------------------|
| Output function          | normally open      |
| Voltage drop [V]         | < 2.5              |
| Current rating [mA]      | 250                |
| Short-circuit protection | yes (non-latching) |
| Overload protection      | yes                |
| Switching frequency [Hz] | 250                |

**Monitoring range**

|                              |           |
|------------------------------|-----------|
| Sensing range [mm]           | 10        |
| Real sensing range (Sr) [mm] | 10 ± 10 % |
| Operating distance [mm]      | 0...8.1   |

**Accuracy / deviations**

|                              |   |
|------------------------------|---|
| Correction factors           | mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2 |
| Hysteresis [% of Sr]         | 1...15  |
| Switch-point drift [% of Sr] | -10...10  |

**Environment**

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -25...80 |
| Protection               | IP 67    |

**Tests / approvals**

|              |                                   |
|--------------|-----------------------------------|
| EMC          | EN 60947-5-2<br>EN 55011: class B |
| MTTF [Years] | 1853                              |

**Mechanical data**

|                   |   |
|-------------------|---|
| Mounting          | flush mountable                             |
| Housing materials | brass white bronze coated; active face: PBT |

## I15256

I1A3010-BPKG

Inductive sensors

|        |      |       |
|--------|------|-------|
| Weight | [kg] | 0.273 |
|--------|------|-------|

### Displays / operating elements

|                          |     |        |
|--------------------------|-----|--------|
| Output status indication | LED | yellow |
|--------------------------|-----|--------|

### Electrical connection

|            |  |
|------------|--|
| Connection | PVC cable / 2 m; 3 x 0.5 mm <sup>2</sup> |
|------------|--|

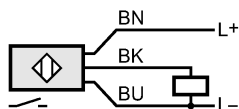
#### Wiring

Core colors

BN brown

BU blue

BK black



### Accessories

|                        |             |
|------------------------|-------------|
| Accessories (included) | 2 lock nuts |
|------------------------|-------------|

### Remarks

|               |         |   |
|---------------|---------|---|
| Pack quantity | [piece] | 1 |
|---------------|---------|---|