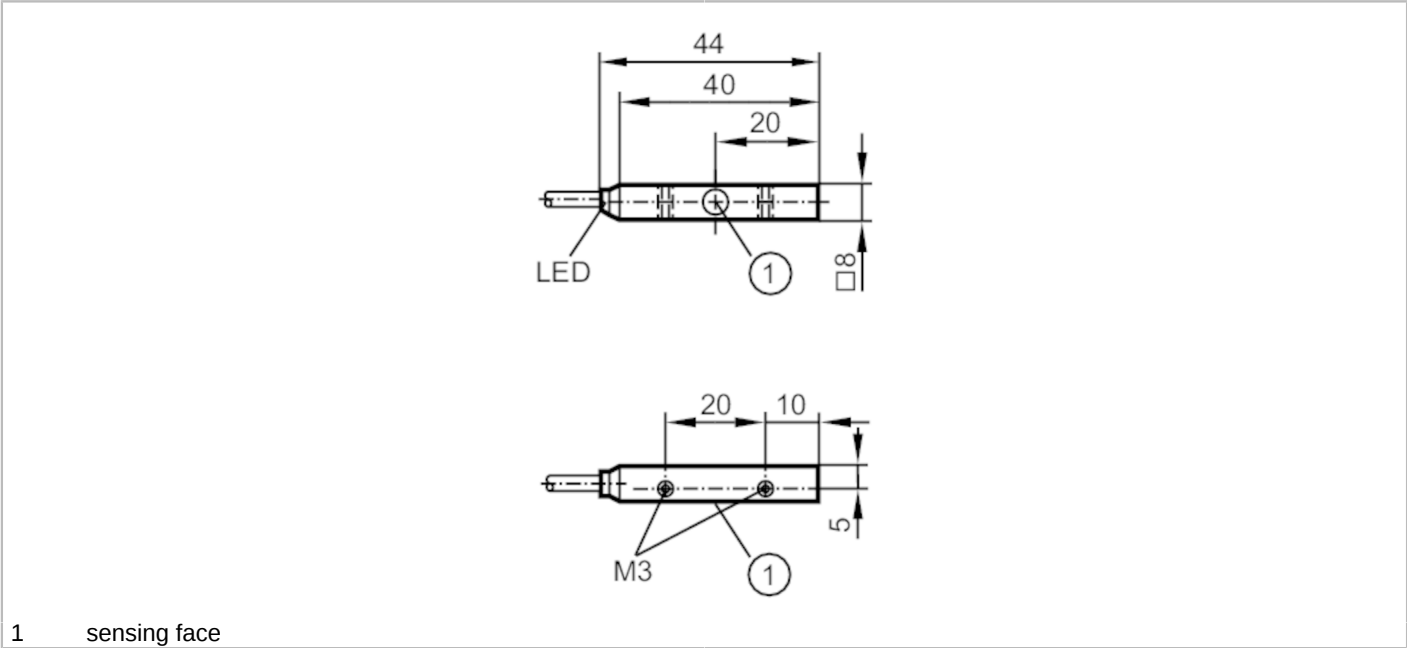




Inductive sensor

ILA3002-APKG/MITTIG/PH    RT

Article no longer available - archive entry



| Product characteristics                         |      |                    |
|-------------------------------------------------|------|--------------------|
| Electrical design                               |      | PNP                |
| Output function                                 |      | normally closed    |
| Sensing range                                   | [mm] | 2                  |
| Housing                                         |      | rectangular        |
| Dimensions                                      | [mm] | 40 x 8 x 8         |
| Electrical data                                 |      |                    |
| Operating voltage                               | [V]  | 10...36 DC         |
| Current consumption                             | [mA] | 15; (24 V)         |
| Reverse polarity protection                     |      | yes                |
| Outputs                                         |      |                    |
| Electrical design                               |      | PNP                |
| Output function                                 |      | normally closed    |
| Max. voltage drop switching output DC           | [V]  | 2.5                |
| Permanent current rating of switching output DC | [mA] | 250                |
| Switching frequency DC                          | [Hz] | 2000               |
| Short-circuit protection                        |      | yes                |
| Type of short-circuit protection                |      | yes (non-latching) |
| Overload protection                             |      | yes                |
| Monitoring range                                |      |                    |
| Sensing range                                   | [mm] | 2                  |
| Real sensing range Sr                           | [mm] | 2 ± 10 %           |

IL5011



Inductive sensor

ILA3002-APKG/MITTIG/PH    RT

|                    |      |         |
|--------------------|------|---------|
| Operating distance | [mm] | 0...1.6 |
|--------------------|------|---------|

Accuracy / deviations

|                    |           |                                                                            |
|--------------------|-----------|----------------------------------------------------------------------------|
| Correction factor  |           | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3 |
| Hysteresis         | [% of Sr] | 1...15                                                                     |
| Switch-point drift | [% of Sr] | -10...10                                                                   |

Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...70 |
| Protection          |      | IP 65    |

Tests / approvals

|     |              |  |
|-----|--------------|--|
| EMC | EN 60947-5-2 |  |
|-----|--------------|--|

Mechanical data

|                   |      |                                |
|-------------------|------|--------------------------------|
| Housing           |      | rectangular                    |
| Mounting          |      | flush mountable                |
| Dimensions        | [mm] | 40 x 8 x 8                     |
| Material          |      | brass white bronze coated; LCP |
| Tightening torque | [Nm] | 1; (insertion depth: > 5 mm)   |

Displays / operating elements

|         |                  |              |
|---------|------------------|--------------|
| Display | Switching status | 1 x LED, red |
|---------|------------------|--------------|

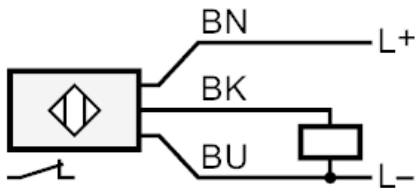
Remarks

|               |  |        |
|---------------|--|--------|
| Pack quantity |  | 1 pcs. |
|---------------|--|--------|

Electrical connection

Cable: 2 m, PUR / PVC; 3 x 0.14 mm²

Connection



Core colors :  
BN = brown  
BU = blue  
BK = black