

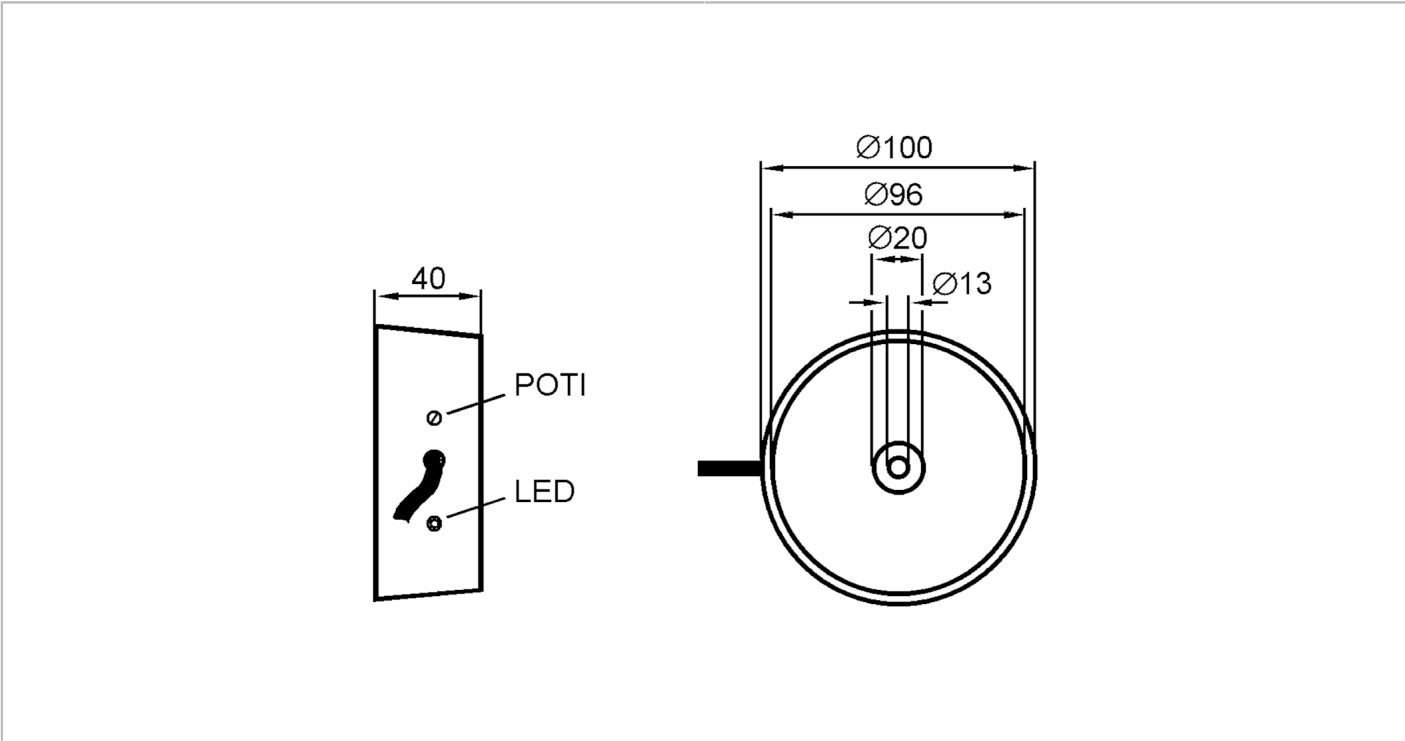


Inductive area sensor

I1-3070-BPOG

Article no longer available - archive entry

Alternative articles: I17001  
When selecting an alternative article and accessories please note that technical data may differ!



| Product characteristics                         |      |                |
|-------------------------------------------------|------|----------------|
| Electrical design                               |      | PNP            |
| Output function                                 |      | normally open  |
| Sensing range                                   | [mm] | 20...70        |
| Housing                                         |      | tubular        |
| Dimensions                                      | [mm] | Ø 100 / L = 40 |
| Electrical data                                 |      |                |
| Operating voltage                               | [V]  | 12...36 DC     |
| Current consumption                             | [mA] | < 7            |
| Outputs                                         |      |                |
| Electrical design                               |      | PNP            |
| Output function                                 |      | normally open  |
| Max. voltage drop switching output DC           | [V]  | 2.5            |
| Permanent current rating of switching output DC | [mA] | 200            |
| Switching frequency DC                          | [Hz] | 10             |
| Monitoring range                                |      |                |
| Sensing range                                   | [mm] | 20...70        |
| Sensing range adjustable                        |      | yes            |

# I15001



## Inductive area sensor

I1-3070-BPOG

|                                    |           |
|------------------------------------|-----------|
| Factory setting sensing range [mm] | 70        |
| Real sensing range Sr [mm]         | 70 ± 10 % |

### Accuracy / deviations

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

### Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -20...70 |
| Protection               | IP 65    |

### Tests / approvals

|     |              |         |
|-----|--------------|---------|
| EMC | EN 60947-5-2 |         |
|     | EN 55011     | class B |

### Mechanical data

|                 |                     |
|-----------------|---------------------|
| Housing         | tubular             |
| Mounting        | non-flush mountable |
| Dimensions [mm] | Ø 100 / L = 40      |
| Material        | PBT                 |

### Displays / operating elements

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

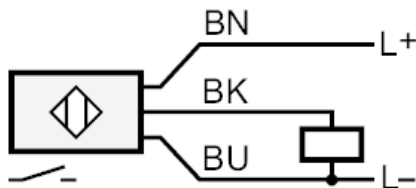
### Remarks

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

### Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm<sup>2</sup>

### Connection



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