



## Inductive sensor

ID-3050-BPOG

Article no longer available - archive entry

Alternative articles: ID5026

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] | 50            |
| Housing            | rectangular   |
| Dimensions [mm]    | 120 x 80 x 30 |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...30 DC |
| Current consumption [mA]    | 7; (24 V)  |
| Reverse polarity protection | no         |

## Outputs

|                                                      |               |
|------------------------------------------------------|---------------|
| Electrical design                                    | PNP           |
| Output function                                      | normally open |
| Max. voltage drop switching output DC [V]            | 1             |
| Permanent current rating of switching output DC [mA] | 200           |
| Switching frequency DC [Hz]                          | 30            |
| Short-circuit protection                             | no            |
| Overload protection                                  | no            |

## Monitoring range

|                          |     |
|--------------------------|-----|
| Sensing range [mm]       | 50  |
| Sensing range adjustable | yes |

# ID5004



## Inductive sensor

ID-3050-BPOG

|                                    |           |
|------------------------------------|-----------|
| Factory setting sensing range [mm] | 50        |
| Real sensing range Sr [mm]         | 50 ± 10 % |
| Operating distance [mm]            | 0...40.5  |

### Accuracy / deviations

|                              |                                                                            |
|------------------------------|----------------------------------------------------------------------------|
| Correction factor            | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2 |
| Hysteresis [% of Sr]         | 1...15                                                                     |
| Switch-point drift [% of Sr] | -10...10                                                                   |

### Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -10...50 |
| Protection               | IP 65    |

### Tests / approvals

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

### Mechanical data

|                 |                     |
|-----------------|---------------------|
| Housing         | rectangular         |
| Mounting        | non-flush mountable |
| Dimensions [mm] | 120 x 80 x 30       |
| Material        | PPE modified        |

### Displays / operating elements

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

### Accessories

|                |                |
|----------------|----------------|
| Items supplied | screwdriver: 1 |
|----------------|----------------|

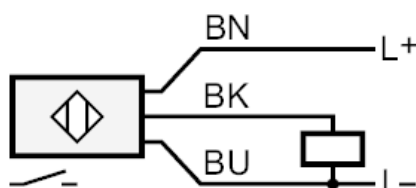
### Remarks

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

### Electrical connection

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

#### Connection



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