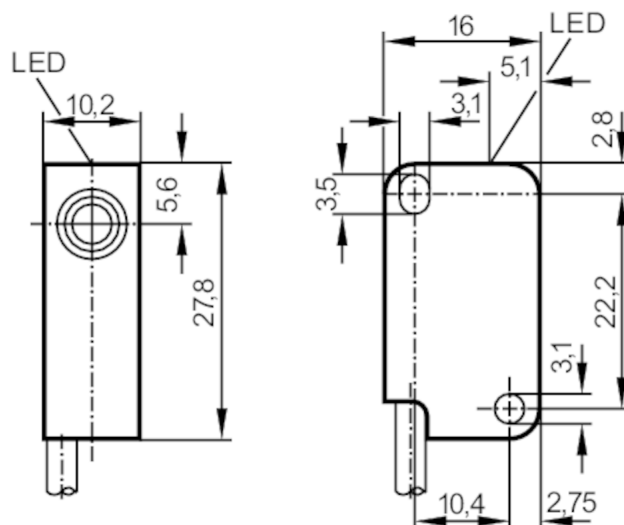


## Inductive sensor

IS-3002-BPOG/ 6mPPU

Article no longer available - archive entry



## Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP           |
| Output function    | normally open |
| Sensing range [mm] | 2             |
| Housing            | rectangular   |
| Dimensions [mm]    | 28 x 10 x 16  |

## Electrical data

|                             |                                         |
|-----------------------------|-----------------------------------------|
| Operating voltage [V]       | 10...36 DC; ("supply class 2" to cULus) |
| Current consumption [mA]    | 15; (24 V)                              |
| Protection class            | III                                     |
| 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]                          | 800           |
| Short-circuit protection                             | no            |
| Overload protection                                  | no            |

## Detection zone

|                            |              |
|----------------------------|--------------|
| Sensing range [mm]         | 2            |
| Real sensing range Sr [mm] | $2 \pm 10\%$ |
| Operating distance [mm]    | 0...1.6      |

# IS5022



## Inductive sensor

IS-3002-BPOG/ 6mPPU

### Accuracy / deviations

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

### Operating conditions

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

### Tests / approvals

|      |              |         |
|------|--------------|---------|
| EMC  | EN 60947-5-2 |         |
|      | EN 55011     | class B |
| MTTF | [years]      | 3044    |

### Mechanical data

|                   |      |                      |
|-------------------|------|----------------------|
| Housing           |      | rectangular          |
| Mounting          |      | flush mountable      |
| Dimensions        | [mm] | 28 x 10 x 16         |
| Materials         |      | PBT                  |
| Tightening torque | [Nm] | < 0.5; (with washer) |

### Displays / operating elements

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

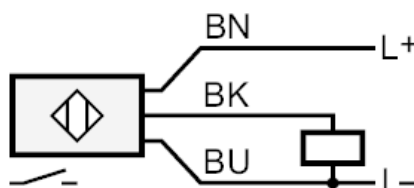
### Remarks

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

### Electrical connection

Cable: 6 m, PUR; highly flexible; 3 x 0.14 mm<sup>2</sup>

### Connection



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