



## Inductive sensor

IF-3002-BPOG/10m

Article no longer available - archive entry



## Product characteristics

|                    |                  |
|--------------------|------------------|
| Electrical design  | PNP              |
| Output function    | normally open    |
| Sensing range [mm] | 2                |
| Housing            | Threaded type    |
| Dimensions [mm]    | M12 x 1 / L = 71 |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...55 DC |
| Current consumption [mA]    | 7; (24 V)  |
| Protection class            | II         |
| 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] | 400           |
| Switching frequency DC [Hz]                          | 700           |
| Short-circuit protection                             | no            |
| Overload protection                                  | no            |

## Monitoring range

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

## Accuracy / deviations

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

## Operating conditions

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

# IF5037



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| Mechanical data    |                  |
|--------------------|------------------|
| Housing            | Threaded type    |
| Mounting           | flush mountable  |
| Dimensions [mm]    | M12 x 1 / L = 71 |
| Thread designation | M12 x 1          |
| Material           | PBT              |

| Displays / operating elements |                  |                 |
|-------------------------------|------------------|-----------------|
| Display                       | Switching status | 1 x LED, yellow |

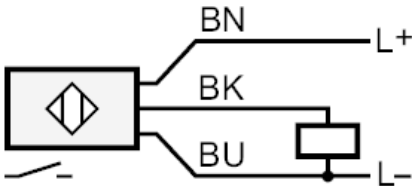
| Accessories    |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |

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

### Electrical connection

Cable: 10 m, PVC; 3 x 0.34 mm²

#### Connection



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