



## Inductive sensor

IW-3005-BNOG/20m

Article no longer available - archive entry



## Product characteristics

|                    |                 |
|--------------------|-----------------|
| Electrical design  | NPN             |
| Output function    | normally closed |
| Sensing range [mm] | 5               |
| Housing            | rectangular     |
| Dimensions [mm]    | 60 x 36 x 10    |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Protection class            | II         |
| Reverse polarity protection | no         |

## Outputs

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Electrical design                                    | NPN             |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 1               |
| Permanent current rating of switching output DC [mA] | 250             |
| Switching frequency DC [Hz]                          | 200             |
| Short-circuit protection                             | no              |
| Overload protection                                  | no              |

## Detection zone

|                    |   |
|--------------------|---|
| Sensing range [mm] | 5 |
|--------------------|---|



## Inductive sensor

IW-3005-BNOG/20m

|                          |      |               |
|--------------------------|------|---------------|
| Real sensing range $S_r$ | [mm] | $5 \pm 10 \%$ |
| Operating distance       | [mm] | 0...4.05      |

## Accuracy / deviations

|                    |                                                                             |          |
|--------------------|-----------------------------------------------------------------------------|----------|
| Correction factor  | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |          |
| Hysteresis         | [X01]                                                                       | 1...15   |
| Switch point drift | [X01]                                                                       | -10...10 |

## Operating conditions

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

## Tests / approvals

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

## Mechanical data

|            |      |                 |
|------------|------|-----------------|
| Housing    |      | rectangular     |
| Mounting   |      | flush mountable |
| Dimensions | [mm] | 60 x 36 x 10    |
| Materials  |      | PBT             |

## Displays / operating elements

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

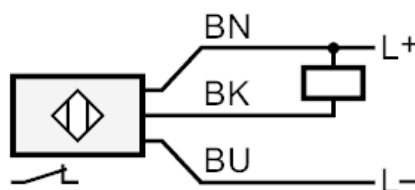
## Remarks

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

## Electrical connection

Cable: 20 m, PVC; 3 x 0.14 mm<sup>2</sup>

## Connection



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