

# IG5250



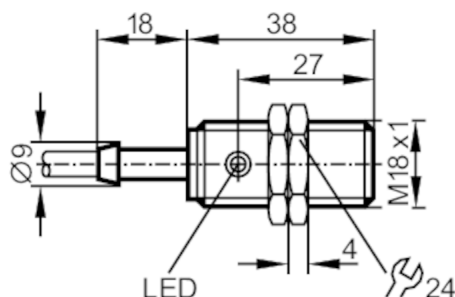
## Inductive sensor

IGB3005-BNOG

Article no longer available - archive entry

Alternative articles: IG5899 or IG5734 or IG5455

When selecting an alternative article and accessories please note that technical data may differ!



### Product characteristics

|                    |                  |
|--------------------|------------------|
| Electrical design  | NPN              |
| Output function    | normally closed  |
| Sensing range [mm] | 5                |
| Housing            | Threaded type    |
| Dimensions [mm]    | M18 x 1 / L = 38 |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 18...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]            | 2.5                   |
| Permanent current rating of switching output DC [mA] | 125; (150 (...50 °C)) |
| Switching frequency DC [Hz]                          | 500                   |
| Short-circuit protection                             | no                    |
| Overload protection                                  | no                    |

### Monitoring range

|                               |               |
|-------------------------------|---------------|
| Sensing range [mm]            | 5             |
| 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 / aluminum: 0.3 / copper: 0.2 |
| Hysteresis [% of $S_r$ ]         | 1...15   |
| Switch-point drift [% of $S_r$ ] | -10...10   |

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## Inductive sensor

IGB3005-BNOG

### Operating conditions

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

### Mechanical data

|                    |      |                          |
|--------------------|------|--------------------------|
| Housing            |      | Threaded type            |
| Mounting           |      | flush mountable          |
| Dimensions         | [mm] | M18 x 1 / L = 38         |
| Thread designation |      | M18 x 1                  |
| Material           |      | brass nickel-plated; PBT |

### Displays / operating elements

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

### Accessories

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

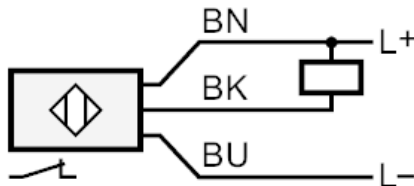
### Remarks

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

### Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm²

### Connection



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