

# IG5337



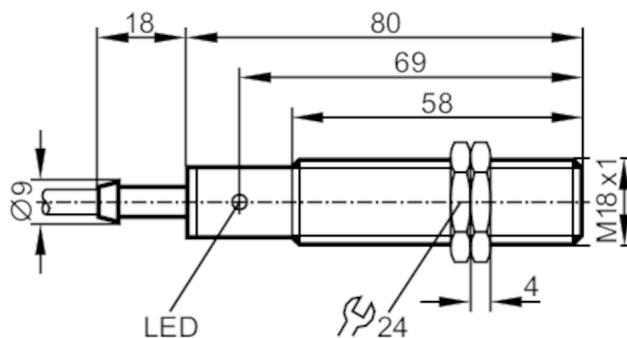
## Inductive sensor

IGA3005-BPKG/10M

Article no longer available - archive entry

Alternative articles: IG5397

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] | 5                |
| Housing            | Threaded type    |
| Dimensions [mm]    | M18 x 1 / L = 80 |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 15; (24 V) |
| Protection class            | II         |
| Reverse polarity protection | yes        |

### Outputs

|                                                      |                    |
|------------------------------------------------------|--------------------|
| Electrical design                                    | PNP                |
| Output function                                      | normally open      |
| Max. voltage drop switching output DC [V]            | 2.5                |
| Permanent current rating of switching output DC [mA] | 250                |
| Switching frequency DC [Hz]                          | 500                |
| Short-circuit protection                             | yes                |
| Type of short-circuit protection                     | yes (non-latching) |
| Overload protection                                  | yes                |

### Monitoring range

|                            |          |
|----------------------------|----------|
| Sensing range [mm]         | 5        |
| Real sensing range Sr [mm] | 5 ± 10 % |
| Operating distance [mm]    | 0...4.05 |

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## Inductive sensor

IGA3005-BPKG/10M

### 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] | -25...80 |
| Protection               | IP 67    |

### Tests / approvals

|              |              |      |
|--------------|--------------|------|
| EMC          | EN 60947-5-2 |      |
| MTTF [years] |              | 1884 |

### Mechanical data

|                    |                         |
|--------------------|-------------------------|
| Weight [g]         | 0.499                   |
| Housing            | Threaded type           |
| Mounting           | flush mountable         |
| Dimensions [mm]    | M18 x 1 / L = 80        |
| Thread designation | M18 x 1                 |
| Material           | brass nickel-plated; PC |

### Displays / operating elements

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

### Accessories

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

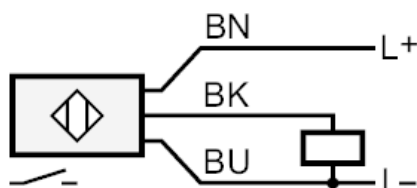
### Remarks

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

### Electrical connection

Cable: 10 m, PVC; 3 x 0.5 mm<sup>2</sup>

### Connection



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