



## Inductive sensor

IGB3008-BPKG/MS/10m

Article no longer available - archive entry



### Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | PNP           |
| Output function    | normally open |
| Sensing range [mm] | 8             |
| Housing            | Threaded type |
| Dimensions [mm]    | M18 x 1       |

### Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 18...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] | 125; (150 (...50 °C)) |
| Switching frequency DC [Hz]                          | 200                   |
| Short-circuit protection                             | yes                   |
| Type of short-circuit protection                     | yes (non-latching)    |
| Overload protection                                  | yes                   |

### Monitoring range

|                            |          |
|----------------------------|----------|
| Sensing range [mm]         | 8        |
| Real sensing range Sr [mm] | 8 ± 10 % |

# IG5304



## Inductive sensor

IGB3008-BPKG/MS/10m

|                    |      |         |
|--------------------|------|---------|
| Operating distance | [mm] | 0...6.5 |
|--------------------|------|---------|

### 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 |         |
|     | EN 55011     | class B |

### Mechanical data

|                    |      |                          |
|--------------------|------|--------------------------|
| Housing            |      | Threaded type            |
| Mounting           |      | non-flush mountable      |
| Dimensions         | [mm] | M18 x 1                  |
| 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: 10 m, PVC; 3 x 0.5 mm<sup>2</sup>

### Connection



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