

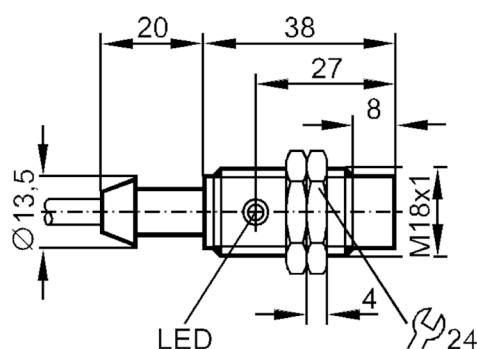
## Inductive sensor

IGB3008-ANKG/MS

Article no longer available - archive entry

Alternative articles: IG5287

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



### Product characteristics

|                    |               |
|--------------------|---------------|
| Electrical design  | NPN           |
| 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                                    | NPN                   |
| 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                   |

# IG5310



## Inductive sensor

IGB3008-ANKG/MS

|                                  |                                                                             |                 |
|----------------------------------|-----------------------------------------------------------------------------|-----------------|
| Type of short-circuit protection | pulsed                                                                      |                 |
| Overload protection              | yes                                                                         |                 |
| Detection zone                   |                                                                             |                 |
| Sensing range                    | [mm]                                                                        | 8               |
| Real sensing range Sr            | [mm]                                                                        | 8 ± 10 %        |
| Operating distance               | [mm]                                                                        | 0...6.5         |
| Accuracy / deviations            |                                                                             |                 |
| Correction factor                | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 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                                                                     |                 |
| Materials                        | 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.                                                                      |                 |

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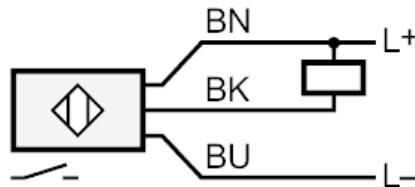
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### Electrical connection

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

### Connection



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