

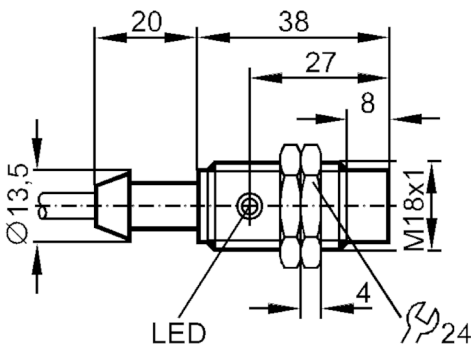


Inductive sensor

IGB3008-BPKG/MS

Article no longer available - archive entry

Alternative articles: IG5285  
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]                                   | 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                   |

# IG5302



## Inductive sensor

IGB3008-BPKG/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.                                                                      |                 |

# IG5302



## Inductive sensor

IGB3008-BPKG/MS

### Electrical connection

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

### Connection



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