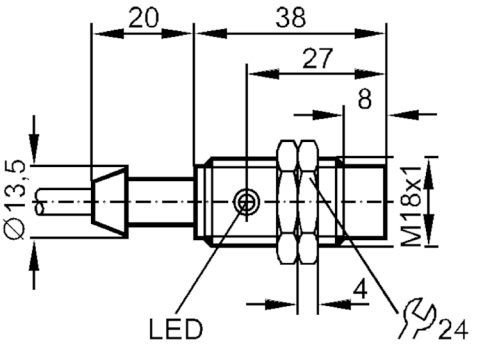
# IG5312

## Inductive sensor

IGB3008-ANKG/MS/10m

Article no longer available - archive entry




| | | |
|---|---|---|
| **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 |
| Type of short-circuit protection | | yes (non-latching) |
| Overload protection | | yes |
| **Monitoring range** | | |
| Sensing range | [mm] | 8 |
| Real sensing range Sr | [mm] | 8 ± 10 % |

# IG5312

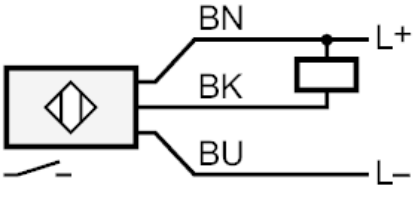
## Inductive sensor

IGB3008-ANKG/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 mm²

Connection




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