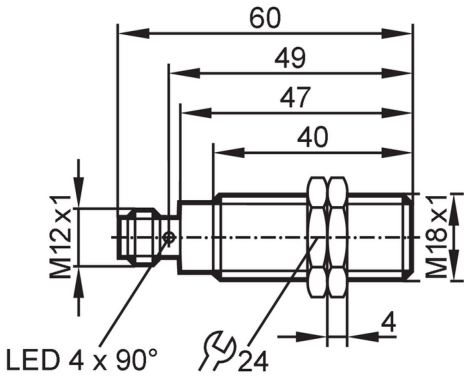
# MGS206

## Full-metal magnetic sensor

MGK3070-APKG/AM/G/US




| | | | |
|---|---|---|---|
| **Product characteristics** | | | |
| Electrical design | | | PNP |
| Output function | | | normally closed |
| Sensing range | [mm] | | 70;  (referred to magnet M 4.0) |
| Housing | | | threaded type |
| Dimensions | [mm] | | M18 x 1 / L = 60 |
| **Application** | | | |
| Special feature | | | Gold-plated contacts; Full-metal housing |
| Pressure rating | | 100 bar | 10 MPa |
| **Electrical data** | | | |
| Operating voltage | [V] | | 10...30 DC |
| Current consumption | [mA] | | < 10 |
| Protection class | | | III |
| Reverse polarity protection | | | yes |
| **Outputs** | | | |
| Electrical design | | | PNP |
| Output function | | | normally closed |
| Max. voltage drop switching output DC | [V] | | 2.5 |
| Permanent current rating of switching output DC | [mA] | | 200 |
| Switching frequency DC | [Hz] | | 5000 |
| Short-circuit protection | | | yes |
| Overload protection | | | yes |
| **Detection zone** | | | |
| Sensing range | [mm] | | 70;  (referred to magnet M 4.0) |
| Response sensitivity | [mT] | | 0.9 |
| **Accuracy / deviations** | | | |
| Hysteresis | [% of Sr] | | 1...10 |
| **Operating conditions** | | | |
| Ambient temperature | [°C] | | -25...75 |
| Protection | | | IP 65; IP 67 |

# MGS206

## Full-metal magnetic sensor

MGK3070-APKG/AM/G/US

| Tests / approvals | | | |
|---|---|---|---|
| EMC | | EN 61000-4-2 ESD | 4 kV CD / 8 kV AD |
| | | EN 61000-4-3 HF radiated | 10 V/m |
| | | EN 61000-4-4 Burst | 2 kV |
| | | EN 61000-4-5 Surge | 0,5 kV line to line, Ri: 2 Ohm |
| | | EN 61000-4-6 HF conducted | 10 V |
| | | EN 55011 emission | class B |
| | | DIN ISO 11452-2 | 100 V/m |
| MTTF | [years] | 1370 | |

| Mechanical data | | |
|---|---|---|
| Weight | [g] | 49.6 |
| Housing | | threaded type |
| Dimensions | [mm] | M18 x 1 / L = 60 |
| Thread designation | | M18 x 1 |
| Materials | | housing: stainless steel (316L/1.4404); sensing face: stainless steel (316L/1.4404); LED window: PA; lock nuts: brass |
| Full-metal housing | | yes |

| Displays / operating elements | | |
|---|---|---|
| Display | switching status | 4 x 90° LED, yellow |

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

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

### Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: 4, gold-plated




### Connection

