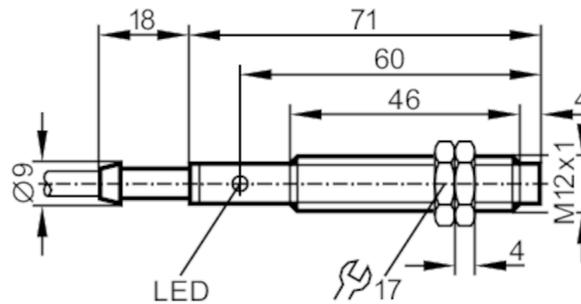


IF5333



Inductive sensor

IFA3004-APKG



Product characteristics

| | | |
|-------------------|------|------------------|
| Electrical design | | PNP |
| Output function | | normally closed |
| Sensing range | [mm] | 4 |
| Housing | | Threaded type |
| Dimensions | [mm] | M12 x 1 / L = 71 |

Electrical data

| | | |
|-----------------------------|------|------------|
| Operating voltage | [V] | 10...36 DC |
| Current consumption | [mA] | 15; (24 V) |
| Protection class | | II |
| 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] | 250 |
| Switching frequency DC | [Hz] | 400 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | yes (non-latching) |
| Overload protection | | yes |

Monitoring range

| | | |
|-----------------------|------|----------|
| Sensing range | [mm] | 4 |
| Real sensing range Sr | [mm] | 4 ± 10 % |
| Operating distance | [mm] | 0...3.25 |

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 |

IF5333



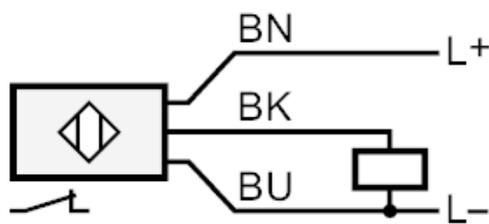
Inductive sensor

IFA3004-APKG

| Operating conditions | | |
|-------------------------------|------------------|-------------------------------|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | EN 60947-5-2 | |
| | EN 55011 | class B |
| MTTF | [years] | 898 |
| Mechanical data | | |
| Weight | [g] | 101.5 |
| Housing | | Threaded type |
| Mounting | | non-flush mountable |
| Dimensions | [mm] | M12 x 1 / L = 71 |
| Thread designation | | M12 x 1 |
| Material | | brass white bronze coated; PC |
| Displays / operating elements | | |
| Display | Switching status | 1 x LED, yellow |
| Accessories | | |
| Items supplied | | lock nuts: 2 |
| Remarks | | |
| Pack quantity | | 1 pcs. |

Electrical connection
Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



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