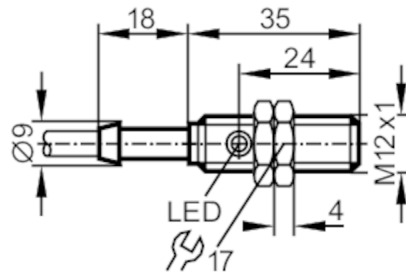


IF5208



Inductive sensor

IFB3002-BPKG/6M



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 open |
| Max. voltage drop switching output DC | [V] | 2.5 |
| Permanent current rating of switching output DC | [mA] | 150 |
| Switching frequency DC | [Hz] | 1500 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | pulsed |
| Overload protection | | yes |

Detection zone

| | | |
|--------------------------|------|--------------|
| Sensing range | [mm] | 2 |
| Real sensing range S_r | [mm] | $2 \pm 10\%$ |
| Operating distance | [mm] | 0...1.6 |

Accuracy / deviations

| | | |
|--------------------|---------------|---|
| Correction factor | | steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2 |
| Hysteresis | [% of S_r] | 3...15 |
| Switch point drift | [% of S_r] | -10...10 |

Operating conditions

| | | |
|---------------------|------|----------|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |

Tests / approvals

| | | | |
|------|---------|--------------|---------|
| EMC | | EN 60947-5-2 | |
| | | EN 55011 | class B |
| MTTF | [years] | 2531 | |

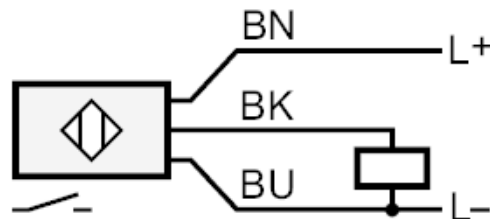
IF5208



Inductive sensor

IFB3002-BPKG/6M

| Mechanical data | | |
|---|------------------|---|
| Weight | [g] | 260.6 |
| Housing | | threaded type |
| Mounting | | flush mountable |
| Dimensions | [mm] | M12 x 1 / L = 35 |
| Thread designation | | M12 x 1 |
| Materials | | brass white bronze coated; sensing face: PC |
| Displays / operating elements | | |
| Display | switching status | 1 x LED, yellow |
| Accessories | | |
| Accessories (supplied) | | lock nuts: 2 |
| Remarks | | |
| Pack quantity | | 1 pcs. |
| Electrical connection | | |
| Cable: 6 m, PVC; 3 x 0.34 mm ² | | |
| Connection | | |



Core colours :

BN = brown
BU = blue
BK = black