# IE5294

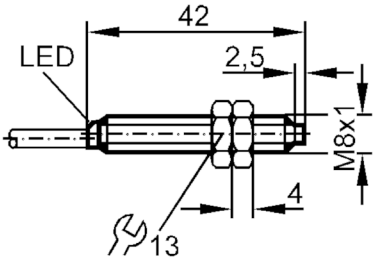
## Inductive sensor

IEB3002-BPKG/V4A

Article no longer available - archive entry

Alternative articles: IE5295

When selecting an alternative article and accessories please note that technical data may differ!




CE

| | | |
|---|---|---|
| **Product characteristics** | | |
| Electrical design | | PNP |
| Output function | | normally open |
| Sensing range | [mm] | 2 |
| Housing | | threaded type |
| Dimensions | [mm] | M8 x 1 |
| **Electrical data** | | |
| Operating voltage | [V] | 10...36 DC |
| Current consumption | [mA] | 15;  (24 V) |
| Protection class | | III |
| Reverse polarity protection | | yes |
| **Outputs** | | |
| Electrical design | | PNP |
| Output function | | normally open |
| Max. voltage drop switching output DC | [V] | 1 |
| Permanent current rating of switching output DC | [mA] | 200 |
| Switching frequency DC | [Hz] | 2000 |
| Short-circuit protection | | yes |

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## Inductive sensor

IEB3002-BPKG/V4A

| | | | |
|---|---|---|---|
| Type of short-circuit protection | | pulsed | |
| Overload protection | | yes | |
| **Detection zone** | | | |
| Sensing range | [mm] | 2 | |
| Real sensing range Sr | [mm] | 2 ± 10 % | |
| Operating distance | [mm] | 0...1.6 | |
| **Accuracy / deviations** | | | |
| Correction factor | | steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3 | |
| Hysteresis | [% of Sr] | 1...15 | |
| Switch point drift | [% of Sr] | -10...10 | |
| **Operating conditions** | | | |
| Ambient temperature | [°C] | -25...80 | |
| Protection | | IP 65 | |
| **Tests / approvals** | | | |
| EMC | | EN 60947-5-2 | |
| | | EN 55011 | class B |
| **Mechanical data** | | | |
| Housing | | threaded type | |
| Mounting | | non-flush mountable | |
| Dimensions | [mm] | M8 x 1 | |
| Thread designation | | M8 x 1 | |
| Materials | | stainless steel (1.4571/316Ti ); POM | |
| **Accessories** | | | |
| Items supplied | | lock nuts: 2 | |
| **Remarks** | | | |
| Remarks | | IP 67 if screwed on | |
| Pack quantity | | 1 pcs. | |

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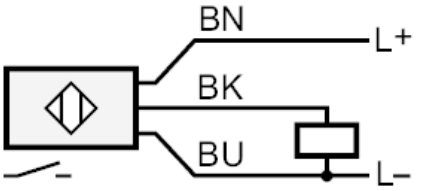
## Inductive sensor

**IEB3002-BPKG/V4A**

## Electrical connection

Cable: 2 m, PUR; 3 x 0.14 mm²

### Connection




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