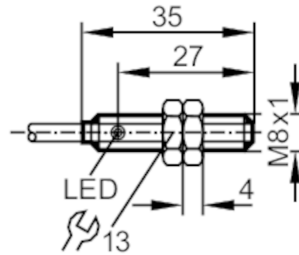




Inductive sensor

IEB3001-APOG/6M

Article no longer available - archive entry



Product characteristics

| | | |
|-------------------|------|-----------------|
| Electrical design | | PNP |
| Output function | | normally closed |
| Sensing range | [mm] | 1 |
| Housing | | threaded type |
| Dimensions | [mm] | M8 x 1 / L = 35 |

Electrical data

| | | |
|-----------------------------|------|------------|
| Operating voltage | [V] | 10...36 DC |
| Current consumption | [mA] | 15; (24 V) |
| Protection class | | III |
| Reverse polarity protection | | no |

Outputs

| | | |
|---|------|-----------------|
| Electrical design | | PNP |
| Output function | | normally closed |
| Max. voltage drop switching output DC | [V] | 1 |
| Permanent current rating of switching output DC | [mA] | 200 |
| Switching frequency DC | [Hz] | 750 |
| Notes on switching frequency | | 1000 nb |
| Short-circuit protection | | no |
| Overload protection | | no |

Detection zone

| | | |
|--------------------------|------|--------------|
| Sensing range | [mm] | 1 |
| Real sensing range S_r | [mm] | $1 \pm 10\%$ |
| Operating distance | [mm] | 0...0.8 |

Accuracy / deviations

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

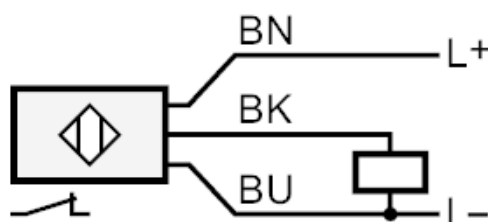
IE5079



Inductive sensor

IEB3001-APOG/6M

| Operating conditions | | |
|---|------------------|--------------------------------|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | EN 60947-5-2 | |
| | EN 55011 | class B |
| MTTF | [years] | 5623 |
| Mechanical data | | |
| Housing | | threaded type |
| Mounting | | flush mountable |
| Dimensions | [mm] | M8 x 1 / L = 35 |
| Thread designation | | M8 x 1 |
| Materials | | brass white bronze coated; PBT |
| 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 0.14 mm ² | | |
| Connection | | |



Core colours :

- BN = brown
- BU = blue
- BK = black

Article no longer available - archive entry