

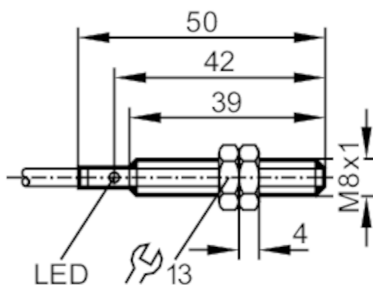
IE5161



Inductive sensor

IE-3001-APOG/10m

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 = 50 |

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] | 1000 |
| Short-circuit protection | no |
| Overload protection | no |

Detection zone

| | |
|----------------------------|----------|
| Sensing range [mm] | 1 |
| Real sensing range Sr [mm] | 1 ± 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 Sr] | 1...15 |
| Switch point drift [% of Sr] | -10...10 |

Operating conditions

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

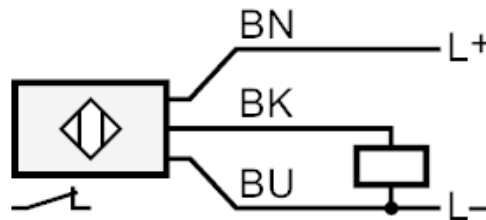
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Inductive sensor

IE-3001-APOG/10m

| Tests / approvals | | |
|--|------------------|-----------------|
| EMC | EN 60947-5-2 | |
| | EN 55011 | class B |
| MTTF [years] | 2737 | |
| Mechanical data | | |
| Housing | threaded type | |
| Mounting | flush mountable | |
| Dimensions [mm] | M8 x 1 / L = 50 | |
| Thread designation | M8 x 1 | |
| Materials | PBT | |
| Displays / operating elements | | |
| Display | switching status | 1 x LED, yellow |
| Accessories | | |
| Items supplied | lock nuts: 2 | |
| Remarks | | |
| Pack quantity | 1 pcs. | |
| Electrical connection | | |
| Cable: 10 m, PVC; 3 x 0.14 mm ² | | |
| Connection | | |



Core colours :

BN = brown
BU = blue
BK = black