

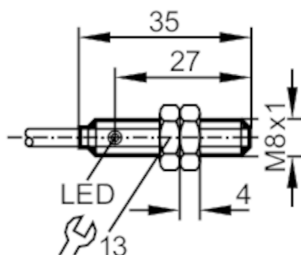
IE5255



Inductive sensor

IEB2001-AROG/6M/PH

Article no longer available - archive entry



Product characteristics

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

Electrical data

| | | |
|-----------------------------|-----|------------|
| Operating voltage | [V] | 10...36 DC |
| Protection class | | III |
| Reverse polarity protection | | no |

Outputs

| | | |
|---|------|---------------|
| Electrical design | | PNP/NPN |
| Output function | | normally open |
| Max. voltage drop switching output DC | [V] | 2.6 |
| Minimum load current | [mA] | 4 |
| Max. leakage current | [mA] | 0.8 |
| Permanent current rating of switching output DC | [mA] | 200 |
| Switching frequency DC | [Hz] | 2000 |
| 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 |

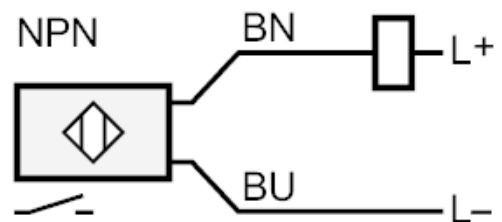
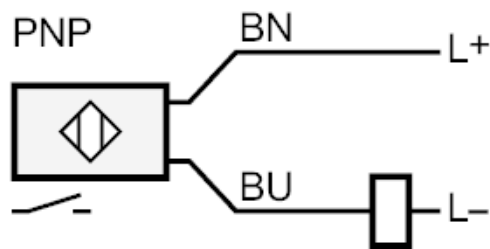
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Inductive sensor

IEB2001-AROG/6M/PH

| Operating conditions | | |
|---|------------------|--------------------------------|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | EN 60947-5-2 | |
| | EN 55011 | class B |
| MTTF | [years] | 4603 |
| 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, PUR / PVC; 2 x 0.14 mm ² | | |
| Connection | | |



Core colours :

BN = brown
BU = blue

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