

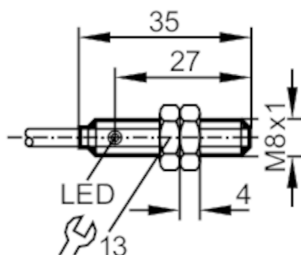
IE5217



Inductive sensor

IEB3001-APOG/PPU

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 | II |
| 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 |
| 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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| Mechanical data | |
|--------------------|--|
| Housing | threaded type |
| Mounting | flush mountable |
| Dimensions [mm] | M8 x 1 / L = 35 |
| Thread designation | M8 x 1 |
| Materials | brass nickel-plated; sensing face: PBT |

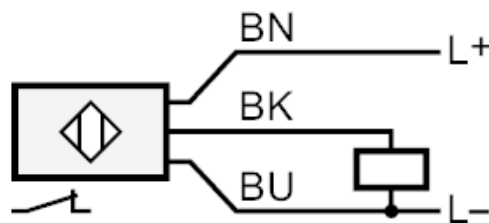
| Displays / operating elements | | |
|-------------------------------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |

| Accessories | |
|------------------------|--------------|
| Accessories (supplied) | lock nuts: 2 |

| Remarks | |
|---------------|--------|
| Pack quantity | 1 pcs. |

| Electrical connection | |
|---|--|
| Cable: 2 m, PUR / PVC; 3 x 0.14 mm ² | |

Connection



Core colours :

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

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