

KG5006

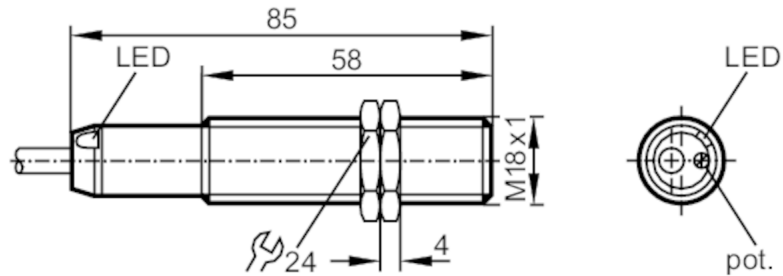


Capacitive sensor

KG-3008-BPKG

Article no longer available - archive entry

replaced by: KG5043



Product characteristics

| | | |
|-------------------|------|------------------|
| Electrical design | | PNP |
| Output function | | normally open |
| Sensing range | [mm] | 8 |
| Housing | | threaded type |
| Dimensions | [mm] | M18 x 1 / L = 85 |

Electrical data

| | | |
|-----------------------------|------|------------|
| Operating voltage | [V] | 10...36 DC |
| Current consumption | [mA] | 10; (24 V) |
| Protection class | | II |
| Reverse polarity protection | | yes |

Outputs

| | | |
|---|------|---------------|
| Electrical design | | PNP |
| Output function | | normally open |
| Max. voltage drop switching output DC | [V] | 2.5 |
| Permanent current rating of switching output DC | [mA] | 250 |
| Switching frequency DC | [Hz] | 50 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | pulsed |
| Overload protection | | yes |

Detection zone

| | | |
|-------------------------------|------|----------|
| Sensing range | [mm] | 8 |
| Sensing range adjustable | | yes |
| Factory setting sensing range | [mm] | 8 |
| Real sensing range Sr | [mm] | 8 ± 10 % |
| Operating distance | [mm] | 0...6.5 |

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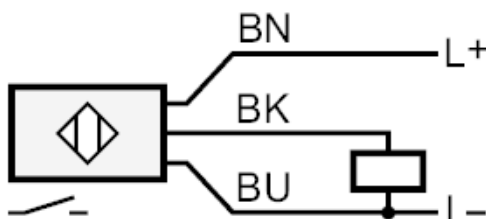


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| Accuracy / deviations | | |
|--|------------------|--|
| Correction factor | | glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2 |
| Hysteresis | [% of Sr] | 1...15 |
| Switch point drift | [% of Sr] | -15...15 |
| Operating conditions | | |
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | | EN 60947-5-2 |
| Mechanical data | | |
| Housing | | threaded type |
| Mounting | | non-flush mountable |
| Dimensions | [mm] | M18 x 1 / L = 85 |
| Thread designation | | M18 x 1 |
| Materials | | PBT |
| Displays / operating elements | | |
| Display | switching status | 1 x LED, yellow |
| Accessories | | |
| Accessories (supplied) | | lock nuts: 2 screwdriver: 1 |
| Remarks | | |
| Pack quantity | | 1 pcs. |
| Electrical connection | | |
| Cable: 2 m, PVC; 3 x 0.5 mm ² | | |

Connection



Core colours :

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

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