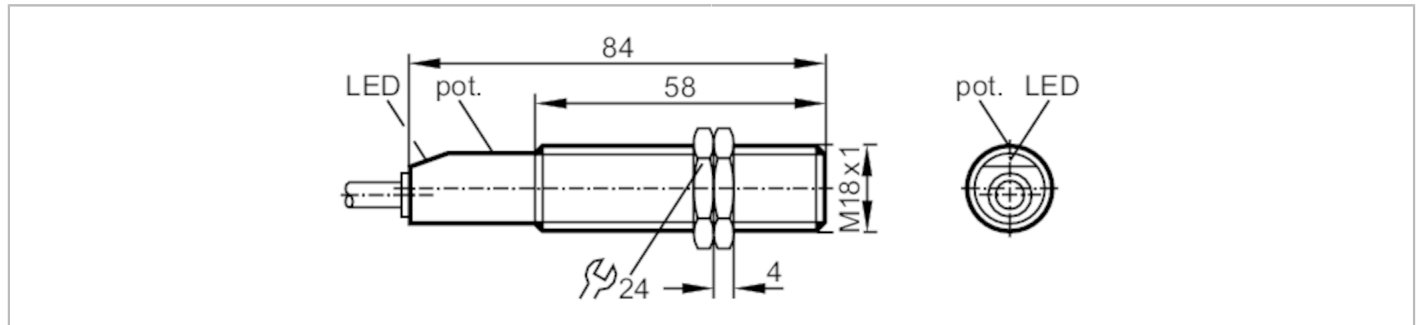


KG5043



Capacitive sensor

KG-3008-BPKG/NI



| Product characteristics | |
|--|--|
| Electrical design | PNP |
| Output function | normally open |
| Sensing range [mm] | 8 |
| Housing | threaded type |
| Dimensions [mm] | M18 x 1 / L = 84 |
| Electrical data | |
| Operating voltage [V] | 10...36 DC; ("supply class 2" according to UL) |
| Current consumption [mA] | < 10 (24 V) / < 15 (36 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 proof | yes |
| 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 |
| 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 |

KG5043



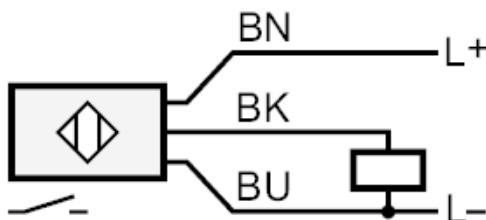
Capacitive sensor

KG-3008-BPKG/NI

| Operating conditions | | |
|-------------------------------|------------------|--------------------------------|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | | EN 60947-5-2 |
| MTTF | [years] | 648 |
| Mechanical data | | |
| Weight | [g] | 122.5 |
| Housing | | threaded type |
| Mounting | | non-flush mountable |
| Dimensions | [mm] | M18 x 1 / L = 84 |
| 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 0.34 mm ² | |

Connection



Core colours :

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