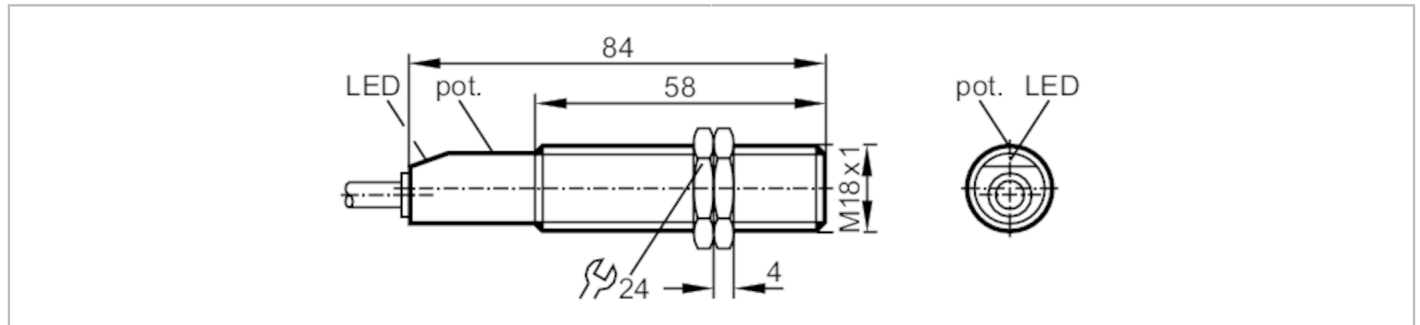


KG0009



Capacitive sensor

KG-2008-ABOA/NI



| Product characteristics | |
|--|--|
| Output function | normally open |
| Sensing range [mm] | 8 |
| Housing | threaded type |
| Dimensions [mm] | M18 x 1 / L = 84 |
| Electrical data | |
| Operating voltage [V] | 20...250 AC/DC |
| Protection class | II |
| Reverse polarity protection | no |
| Outputs | |
| Output function | normally open |
| Max. voltage drop switching output DC [V] | 6 |
| Max. voltage drop switching output AC [V] | 6 |
| Minimum load current [mA] | 4 |
| Max. leakage current [mA] | 2.5 (250 V AC) / 1.7 (110 V AC) / 1.5 (24 V DC) |
| Permanent current rating of switching output AC [mA] | 150; (350 (...50 °C)) |
| Permanent current rating of switching output DC [mA] | 100 |
| Short-time current rating of switching output [mA] | 2100; (20 ms / 0,5 Hz) |
| Switching frequency AC [Hz] | 25 |
| Switching frequency DC [Hz] | 50 |
| Short-circuit proof | no |
| Overload protection | no |
| Detection zone | |
| 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 |

KG0009



Capacitive sensor

KG-2008-ABOA/NI

| Operating conditions | | |
|-------------------------------|------------------|---|
| Ambient temperature | [°C] | -25...80 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | | EN 60947-5-2 |
| MTTF | [years] | 334 |
| Mechanical data | | |
| Weight | [g] | 133 |
| 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 |
| Electrical connection | | |
| Required protection | | miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting |
| Accessories | | |
| Accessories (supplied) | | lock nuts: 2 screwdriver: 1 |
| Remarks | | |
| Remarks | | Recommendation: Check the safe functioning of the unit after a short circuit. |
| Pack quantity | | 1 pcs. |

KG0009



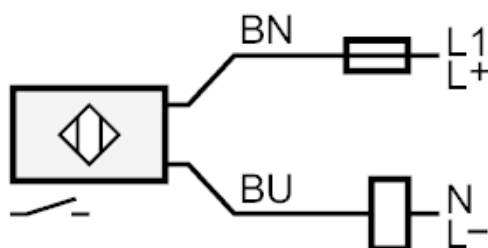
Capacitive sensor

KG-2008-ABOA/NI

Electrical connection

Cable: 2 m, PVC; 2 x 0.34 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 \leq 2 A fast acting

Core colours :

BN = brown

BU = blue