# KG5010

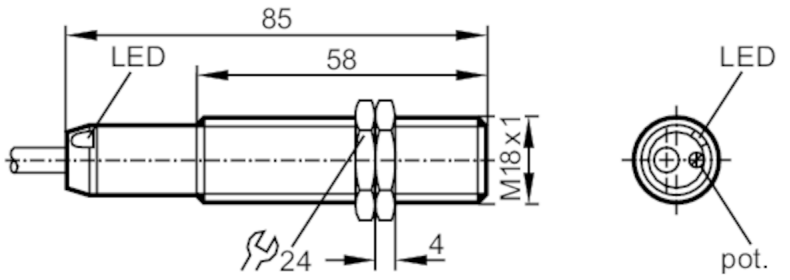
## Capacitive sensor

KG-2008-FRKG

Article no longer available - archive entry

Alternative articles: KG5047

When selecting an alternative article and accessories please note that technical data may differ!




| | | |
|---|---|---|
| **Product characteristics** | | |
| Electrical design | | PNP/NPN |
| Output function | | normally open / closed; (selectable) |
| Sensing range | [mm] | 8 |
| Housing | | Threaded type |
| Dimensions | [mm] | M18 x 1 / L = 85 |
| **Electrical data** | | |
| Operating voltage | [V] | 10...55 DC |
| Protection class | | II |
| Reverse polarity protection | | yes |
| **Outputs** | | |
| Electrical design | | PNP/NPN |
| Output function | | normally open / closed; (selectable) |
| Max. voltage drop switching output DC | [V] | 4.6 |
| Minimum load current | [mA] | 4 |
| Max. leakage current | [mA] | 0.6 |
| Permanent current rating of switching output DC | [mA] | 400 |
| Switching frequency DC | [Hz] | 50 |
| Short-circuit protection | | yes |
| Type of short-circuit protection | | yes (non-latching) |
| Overload protection | | yes |
| **Monitoring range** | | |
| 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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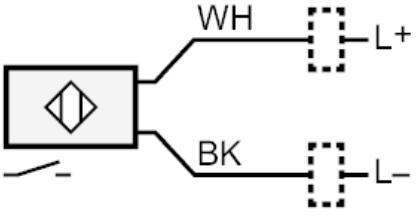
## Capacitive sensor

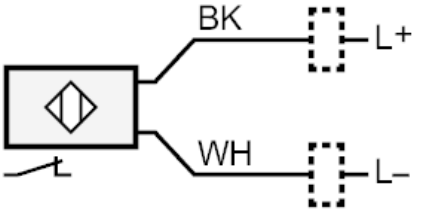
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| | | | |
|---|---|---|---|
| **Accuracy / deviations** | | | |
| Correction factor | | glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2 | |
| Hysteresis | [% of Sr] | 1...15 | |
| Switch-point drift | [% of Sr] | -15...15 | |
| **Operating conditions** | | | |
| 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 | |
| Material | | PBT | |
| **Displays / operating elements** | | | |
| Display | | Switching status | 1 x LED, yellow |
| **Accessories** | | | |
| Items supplied | | lock nuts: 2 | |
| | | screwdriver: 1 | |
| **Remarks** | | | |
| Pack quantity | | 1 pcs. | |
| **Electrical connection** | | | |

Cable: 2 m, PUR / PVC; 2 x 0.5 mm²

Connection




Core colors :
BK = black
WH = white