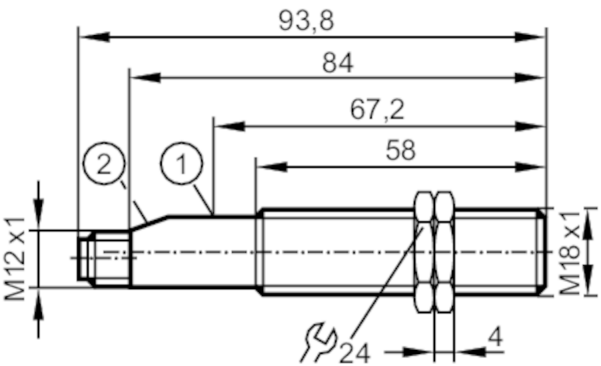


# KG5057



## Capacitive sensor

KG-3008-BPKG/NI/US



- 1 potentiometer  
2 LED



| Product characteristics                              |                                                  |
|------------------------------------------------------|--------------------------------------------------|
| Electrical design                                    | PNP                                              |
| Output function                                      | normally open                                    |
| Sensing range [mm]                                   | 8                                                |
| Housing                                              | Threaded type                                    |
| Dimensions [mm]                                      | M18 x 1 / L = 93.8                               |
| Electrical data                                      |                                                  |
| Operating voltage [V]                                | 10...36 DC                                       |
| Current consumption [mA]                             | < 10 (24 V DC) / < 15 (36 V DC)                  |
| 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                                              |
| 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                                          |
| Accuracy / deviations                                |                                                  |
| Correction factor                                    | glass: 0.4 / water: 1 / ceramics: 0.2 / PVC: 0.2 |

KG5057



Capacitive sensor

KG-3008-BPKG/NI/US

|                    |           |          |
|--------------------|-----------|----------|
| Hysteresis         | [% of Sr] | 1...15   |
| Switch-point drift | [% of Sr] | -15...15 |

|                      |      |          |
|----------------------|------|----------|
| Operating conditions |      |          |
| Ambient temperature  | [°C] | -25...80 |
| Protection           |      | IP 67    |
| Increased immunity   |      | yes      |

|                   |              |     |
|-------------------|--------------|-----|
| Tests / approvals |              |     |
| EMC               | EN 60947-5-2 |     |
| MTTF              | [years]      | 647 |

|                    |      |                     |
|--------------------|------|---------------------|
| Mechanical data    |      |                     |
| Weight             | [g]  | 29.4                |
| Housing            |      | Threaded type       |
| Mounting           |      | non-flush mountable |
| Dimensions         | [mm] | M18 x 1 / L = 93.8  |
| Thread designation |      | M18 x 1             |
| Material           |      | PBT                 |

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

|                |  |              |
|----------------|--|--------------|
| Accessories    |  |              |
| Items supplied |  | lock nuts: 2 |

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

Electrical connection - plug

Connector: 1 x M12; coding: A



Connection

