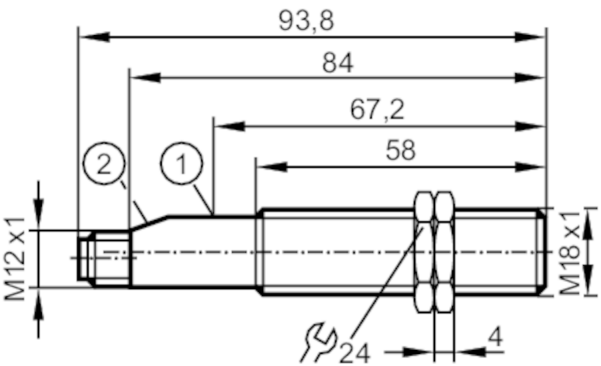


# KG5057



## 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           |

### 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 |
|-------------------|--------------------------------------------------|

# 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             |
| Materials          |      | 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

