

# KQ5010



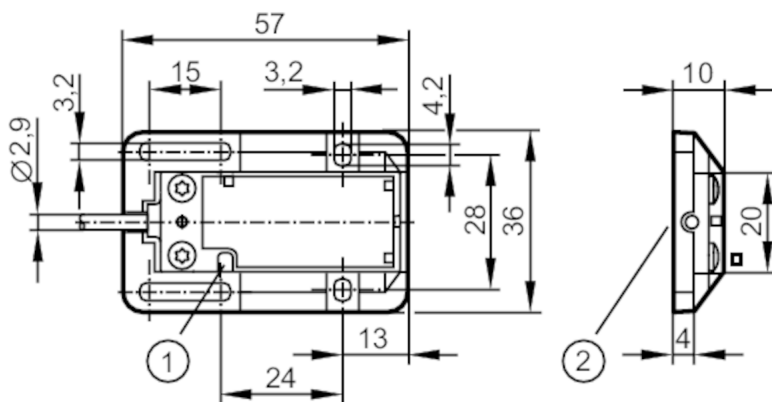
## Capacitive sensor

KQ-3040NAPKG/0,04M/AS

Article no longer available - archive entry

Alternative articles: KQ5101

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



- 1 LED
- 2 Sensing face



### Product characteristics

|                    |                                     |
|--------------------|-------------------------------------|
| Electrical design  | PNP                                 |
| Output function    | normally closed                     |
| Sensing range [mm] | 8; (preset: 4,0 mm ( $\pm 0,2$ mm)) |
| Housing            | rectangular                         |
| Dimensions [mm]    | 20 x 7 x 48                         |

### Electrical data

|                             |                                                |
|-----------------------------|------------------------------------------------|
| Operating voltage [V]       | 10...36 DC; ("supply class 2" according to UL) |
| Current consumption [mA]    | < 17                                           |
| Protection class            | III                                            |
| Reverse polarity protection | yes                                            |

### Outputs

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Electrical design                                    | PNP             |
| Output function                                      | normally closed |
| Max. voltage drop switching output DC [V]            | 2.5             |
| Permanent current rating of switching output DC [mA] | 100             |
| Switching frequency DC [Hz]                          | 10              |
| Short-circuit proof                                  | yes             |
| Overload protection                                  | yes             |

### Detection zone

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Sensing range [mm]                 | 8; (preset: 4,0 mm ( $\pm 0,2$ mm)) |
| Sensing range adjustable           | yes                                 |
| Factory setting sensing range [mm] | 4                                   |

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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         | [X01] | 1...15                                           |
| Switch point drift | [X01] | -20...20                                         |

### Operating conditions

|                     |      |              |
|---------------------|------|--------------|
| Ambient temperature | [°C] | -25...80     |
| Protection          |      | IP 65; IP 67 |

### Tests / approvals

|     |              |  |
|-----|--------------|--|
| EMC | EN 60947-5-2 |  |
|-----|--------------|--|

### Mechanical data

|            |      |                             |
|------------|------|-----------------------------|
| Weight     | [g]  | 67.4                        |
| Housing    |      | rectangular                 |
| Mounting   |      | non-flush mountable         |
| Dimensions | [mm] | 20 x 7 x 48                 |
| Materials  |      | PBT; TPE-U; stainless steel |

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|---------|------------------|-----------------|

### Аксессуары

|                |  |                             |
|----------------|--|-----------------------------|
| Items supplied |  | mounting adapter: 1, fitted |
|----------------|--|-----------------------------|

### Remarks

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

### Electrical connection - plug

Cable: 0.045 m, PUR

Connector: 1 x M8; coding: A



### Connection

