



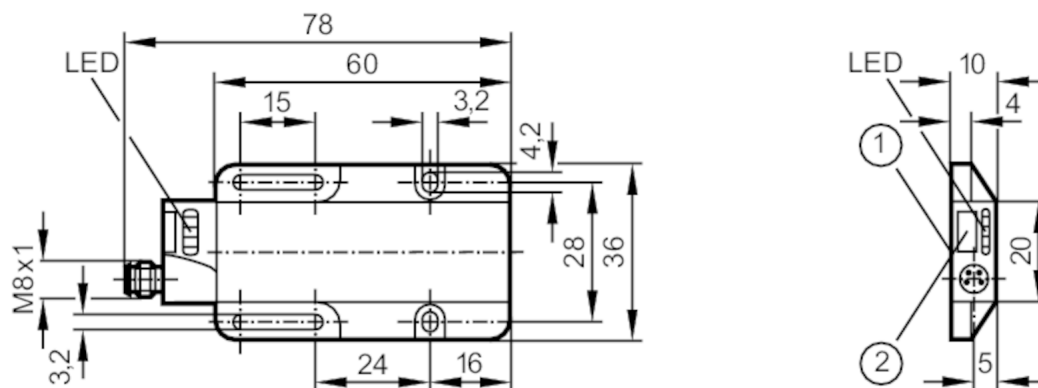
## Capacitive sensor

KNQ01NUKFPKG/AS

Article no longer available - archive entry

Alternative articles: KQ6004

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



- 1 sensing face  
2 teach-in element



## Product characteristics

|                    |                                                 |
|--------------------|-------------------------------------------------|
| Electrical design  | PNP                                             |
| Output function    | normally open / closed; (selectable)            |
| Sensing range [mm] | Adjustment to the empty and full state possible |
| Housing            | rectangular                                     |
| Dimensions [mm]    | 78 x 36 x 10                                    |

## Application

|                   |                                                                  |
|-------------------|------------------------------------------------------------------|
| System            | gold-plated contacts; Function check output                      |
| Installation      | detection through non-metallic container wall or on bypass pipes |
| Media             | dry bulk material; liquids                                       |
| Recommended media | media with a dielectric constant < 20; oils                      |

## Electrical data

|                             |            |
|-----------------------------|------------|
| Operating voltage [V]       | 10...36 DC |
| Current consumption [mA]    | 30; (24 V) |
| Protection class            | II         |
| Reverse polarity protection | yes        |

## Outputs

|                                                |                                      |
|------------------------------------------------|--------------------------------------|
| Electrical design                              | PNP                                  |
| Output function                                | normally open / closed; (selectable) |
| Max. voltage drop switching output DC [V]      | 2.5                                  |
| Function check output                          | yes                                  |
| Max. voltage drop of function check output [V] | 3.5                                  |

# KN5107



## Capacitive sensor

KNQ01NUKFPKG/AS

|                                                 |      |                    |
|-------------------------------------------------|------|--------------------|
| Max. current load for function check output     | [mA] | 10                 |
| Permanent current rating of switching output DC | [mA] | 150                |
| Switching frequency DC                          | [Hz] | 5                  |
| Short-circuit protection                        |      | yes                |
| Type of short-circuit protection                |      | yes (non-latching) |
| Overload protection                             |      | yes                |

### Monitoring range

|               |      |                                                 |
|---------------|------|-------------------------------------------------|
| Sensing range | [mm] | Adjustment to the empty and full state possible |
|---------------|------|-------------------------------------------------|

### Operating conditions

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

### Tests / approvals

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

### Mechanical data

|            |      |                     |
|------------|------|---------------------|
| Housing    |      | rectangular         |
| Mounting   |      | non-flush mountable |
| Dimensions | [mm] | 78 x 36 x 10        |
| Material   |      | PC; PBT             |

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | Switching status | 1 x LED, yellow |
|         | Power            | 1 x LED, green  |
|         | Function         | 1 x LED, red    |

### Accessories

|                |                |
|----------------|----------------|
| Items supplied | screwdriver: 1 |
|----------------|----------------|

### Remarks

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

# KN5107

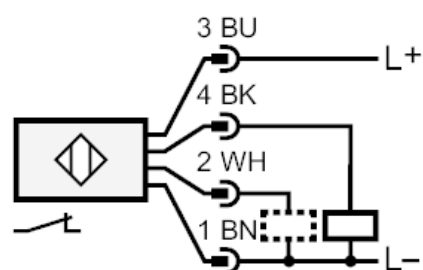


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### Electrical connection - plug

Connector: 1 x M8; coding: A; Contacts: gold-plated



2: Function check output programming wire