



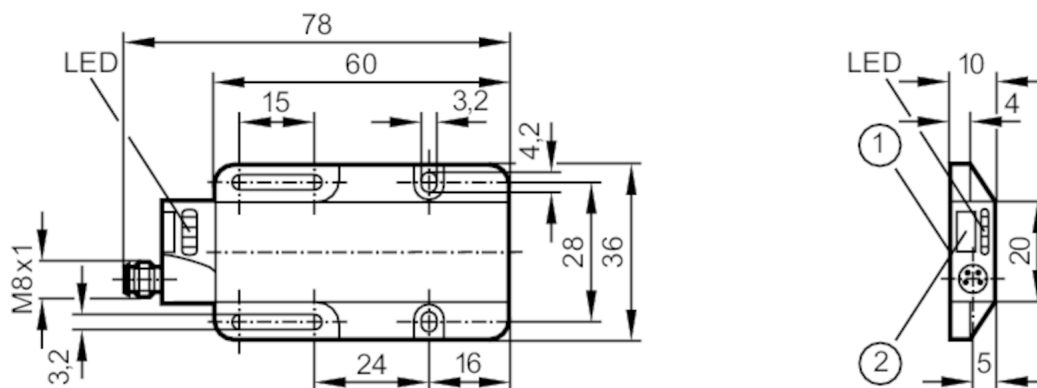
## Capacitive sensor

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 / normally closed; (selectable)   |
| Sensing range [mm] | adjustment to the empty and full state possible |
| Housing            | rectangular                                     |
| Dimensions [mm]    | 78 x 36 x 10                                    |

### Application

|                   |                                                                  |
|-------------------|------------------------------------------------------------------|
| Special feature   | 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 / normally 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

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|                                                 |      |        |
|-------------------------------------------------|------|--------|
| 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                |      | pulsed |
| Overload protection                             |      | yes    |

| Detection zone |      |                                                 |
|----------------|------|-------------------------------------------------|
| 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        |
| Materials       |      | PC; PBT             |

| Displays / operating elements |                  |                 |
|-------------------------------|------------------|-----------------|
| Display                       | switching status | 1 x LED, yellow |
|                               | operation        | 1 x LED, green  |
|                               | function         | 1 x LED, red    |

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

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

# KN5107

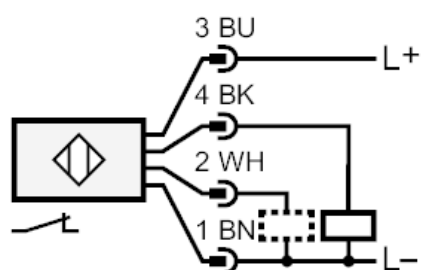


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### Electrical connection - plug

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



2: Function check output programming wire