# KN5107

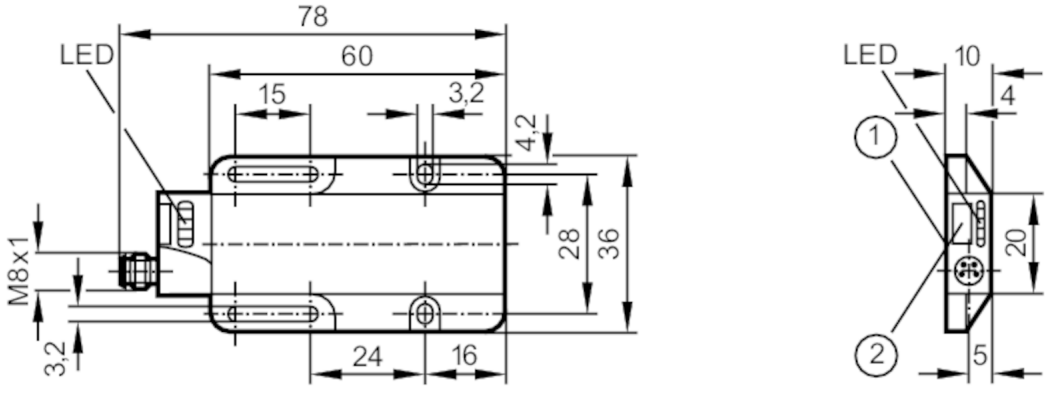
## Capacitive sensor

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 |

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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 |
| **Accessories** | | | |
| Items supplied | | screwdriver: 1 | |
| **Remarks** | | | |
| Pack quantity | | 1 pcs. | |

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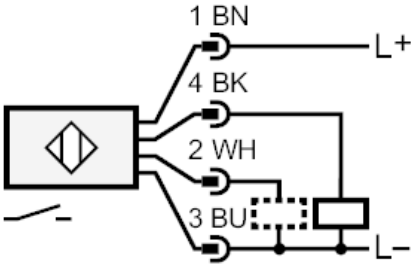
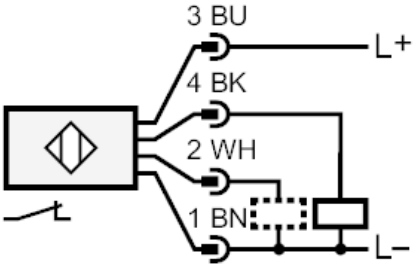
## Electrical connection - plug

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


2: Function check output programming wire