

## Capacitive sensor

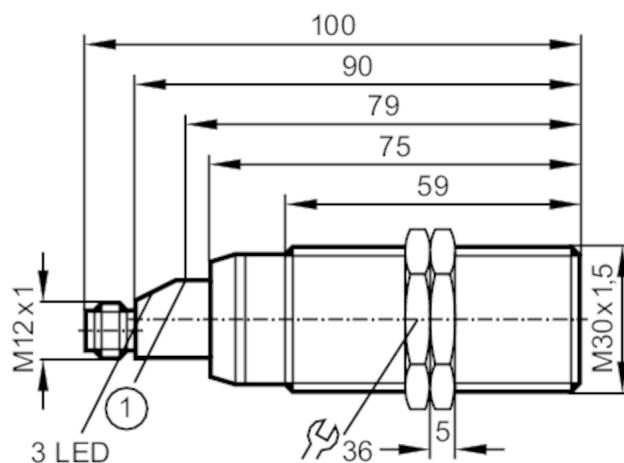
KNM30BSAFNKG/US-100-DNX

Article no longer available - archive entry

Alternative articles: KI5084

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

Attention: the programming has changed.



1 programming button



## Product characteristics

|                   |                                               |
|-------------------|-----------------------------------------------|
| Electrical design | NPN                                           |
| Output function   | normally open / normally closed; (selectable) |
| Housing           | threaded type                                 |
| Dimensions [mm]   | M30 x 1.5 / L = 100                           |

## Application

|                         |                                             |
|-------------------------|---------------------------------------------|
| Special feature         | Gold-plated contacts; Function check output |
| Installation            | flush mounting in tank wall                 |
| Media                   | dry bulk material                           |
| Medium temperature [°C] | -25...80                                    |

## Electrical data

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

## Outputs

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

# KN5102



## Capacitive sensor

KNM30BSAFNKG/US-100-DNX

|                                                 |      |        |
|-------------------------------------------------|------|--------|
| Max. voltage drop of function check output      | [V]  | 3.5    |
| Max. current load for function check output     | [mA] | 10     |
| Permanent current rating of switching output DC | [mA] | 250    |
| Switching frequency DC                          | [Hz] | 5      |
| Short-circuit protection                        |      | yes    |
| Type of short-circuit protection                |      | pulsed |
| Overload protection                             |      | yes    |

### Operating conditions

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

### Tests / approvals

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

### Mechanical data

|                    |      |                                     |
|--------------------|------|-------------------------------------|
| Housing            |      | threaded type                       |
| Mounting           |      | flush mountable                     |
| Dimensions         | [mm] | M30 x 1.5 / L = 100                 |
| Thread designation |      | M30 x 1.5                           |
| Materials          |      | brass white bronze coated; PBT; PVC |

### Displays / operating elements

|         |                  |                 |
|---------|------------------|-----------------|
| Display | switching status | 1 x LED, yellow |
|         | operation        | 1 x LED, green  |
|         | function         | 1 x LED, red    |

### Accessories

|                |              |
|----------------|--------------|
| Items supplied | lock nuts: 2 |
|----------------|--------------|

### Remarks

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

# KN5102

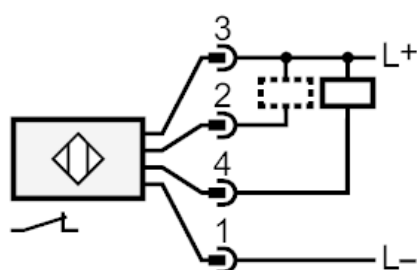
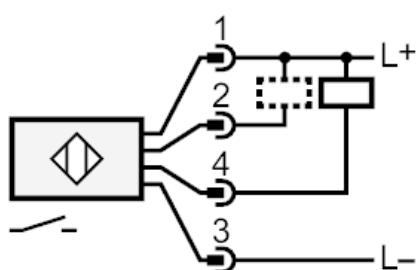


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### Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



2: Function check output programming wire