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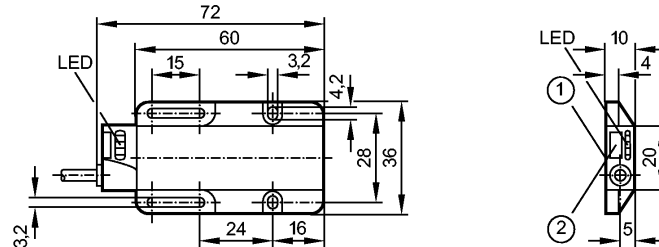
efectoriso

KN5105



KNQ01NUKFPKG

Capacitive sensors



1: sensing face

2: teach-in element



Product characteristics

Level sensor

Rectangular, plastics

Cable

Function check output

Adjustment to the empty and full state possible; [nf] non-flush mountable

Application

Application

For dry bulk materials and liquids, detection through non metal tank walls or bypass pipes. Optimised for media with a dielectric constant < 20 (e.g. oils).

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...36 DC

Current consumption [mA]

30 (24 V)

Protection class

II

Reverse polarity protection

yes

Outputs

Output function

normally open / closed programmable

Voltage drop

- Switching output [V]

< 2.5

- Function check output [V]

< 3.5

Current rating

- Switching output [mA]

150

- Function check output [mA]

10

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

5

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

Mechanical data

Mounting

non-flush mountable

Housing materials

PC; PBT

Weight [kg]

0.098

Displays / operating elements

Output status indication LED

yellow

Power LED

green

Function display LED

red

KN5105 - Level sensor - eclass: 27371813 / 27-37-18-13

Electrical connection

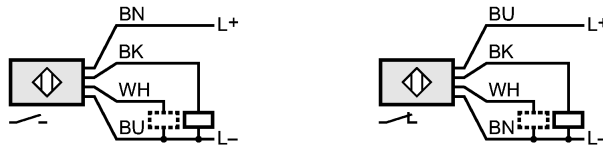
Connection

PVC cable / 2 m; 4 x 0.14 mm²

Wiring

Core colors

BK black
BN brown
BU blue
WH white



WH: function check output / programming wire

Accessories

Accessories (included)

screwdriver

Remarks

Pack quantity

[piece]

1

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