

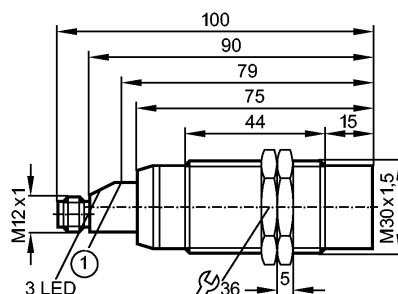
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efectoriso
 KN5103



KNM30NUAFNKG/US-100-DNX

Capacitive sensors



1: Programming button



Product characteristics

Level sensor

Metal thread M30 x 1.5

Quick disconnect

Function check output

Microprocessor

gold-plated contacts

[nf] non-flush mountable

Application

Application

For dry bulk material and liquids (detection through non-metallic vessel wall)

Electrical data

Electrical design

DC NPN

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]

250

- Function check output [mA]

10

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

5

Environment

Ambient temperature [°C]

-25...80

Medium temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

Mechanical data

Mounting

non-flush mountable

Housing materials

brass Optalloy-plated; PBT

Weight [kg]

0.14

Displays / operating elements

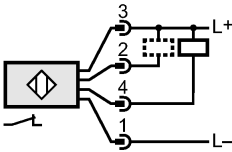
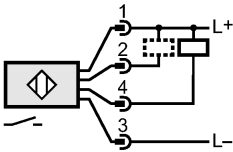
Output status indication LED

yellow

KN5103 - Level sensor - eclass: 27371813 / 27-37-18-13

Power	LED	green
Function display	LED	red (function check)
Electrical connection		
Connection		M12 connector

Wiring



2: function check output / programming wire

Accessories		
Accessories (included)		2 lock nuts
Remarks		
Pack quantity	[piece]	1

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