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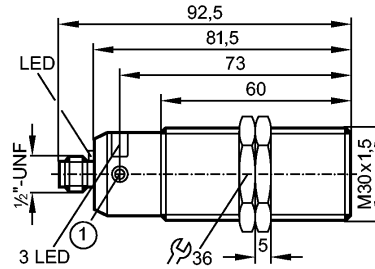
efectoriso

KN0005



KNM30NPKABOW/LS100

Capacitive sensors



1: Programming button



Product characteristics

Level sensor

Plastic thread M30 x 1.5

Quick disconnect

Microprocessor

Programmable sensing range; [nf] non-flush mountable

Application

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

Electrical data

Electrical design

AC

Operating voltage [V]

30...250 AC (47...63 Hz)

Protection class

II

Reverse polarity protection

no

Outputs

Output function

normally open

Voltage drop [V]

< 10

Minimum load current [mA]

5

Leakage current [mA]

< 2.5 (250 V AC *)

Current rating

- Current rating (continuous) [mA]

200; 250 (...40 °C)

- Current rating (peak) [mA]

î: 1.5 A (20 ms / 0.5 Hz)

Short-circuit proof

no

Switching frequency [Hz]

5

Environment

Ambient temperature [°C]

-25...80

Medium temperature [°C]

-25...110

Protection

IP 67

Tests / approvals

EMC

IEC 60947-5-2:

1997 + A1: 1999 + A2: 2003

Mechanical data

Mounting

non-flush mountable

Housing materials

PBT; PP (polypropylene)

Weight [kg]

0.101

Displays / operating elements

Display

Switching status 2 x LED yellow
 Programming 1 x LED green
 Marginal signal 1 x LED red

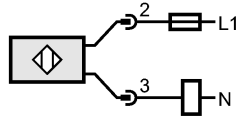
Electrical connection

Connection

1/2" UNF-Connector

KN0005 - Level sensor - eclass: 27371813 / 27-37-18-13

Wiring



Note: miniature fuse to IEC60127-2 sheet 1,
 ≤ 2 A (fast acting)

Accessories	
Accessories (included)	2 lock nuts
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit. *) typical 1.7 mA (110 V)
Pack quantity [piece]	1

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