

1: Programming button



Product characteristics

Level sensor

Metal thread 2x M30 x 1.5

Quick disconnect

2 m HF connection cable

Programmable sensing range; [nf] non-flush mountable

Application

Application

For dry bulk material (preferred: detection of plastic granulates)

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC

Current consumption [mA]

34 typ. 34 mA (24 V) / max. 39 mA (30 V)

Protection class

III

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]

200

- Function check output [mA]

10

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

10

Environment

Ambient temperature [°C]

-15...230, sensor (-15...230°C) ; +250°C for a short time (up to 4 h) / HF connection cable (-25...200 °C) / electronics (-25...70°C)

Medium temperature [°C]

250

Protection

IP 67

Tests / approvals

EMC

IEC 60947-5-2: 2007

MTTF [Years]

347

KN5121 - Level sensor - eclass: 27371813 / 27-37-18-13

Mechanical data

Mounting	non-flush mountable
Housing materials	housing sensor: PPS; brass white bronze coated; housing electronics: PBT; PP (polypropylene); brass; white bronze coated
Weight [kg]	0.459

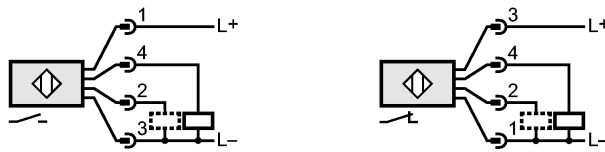
Displays / operating elements

Display	Switching status 2 x LED yellow Power 1 x LED green Marginal signal 1 x LED red
---------	---

Electrical connection

Connection	M12 connector
------------	---------------

Wiring



2: function check output / programming wire

Accessories

Accessories (included)	2 lock nuts
------------------------	-------------

Remarks

Pack quantity [piece]	1
-----------------------	---