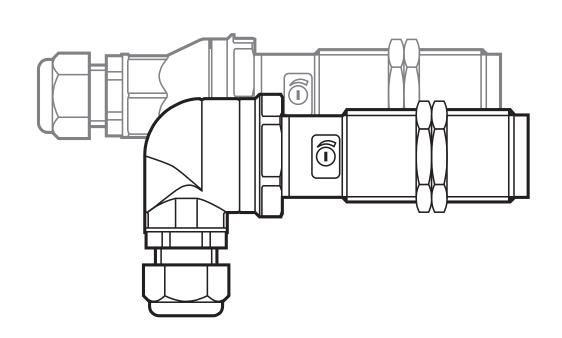




Operating instructions Capacitive sensors

efectoriso KlxxxA (M30) UK



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1 Preliminary note

1.1 Symbols used

- An instruction is indicated by "▶":
 Example: ▶ Check whether the unit operates correctly.
- A reaction to the action is indicated by ">": Example: > Yellow LED lights.



Important note

Non-compliance may result in malfunction or interference.

2 Safety instructions

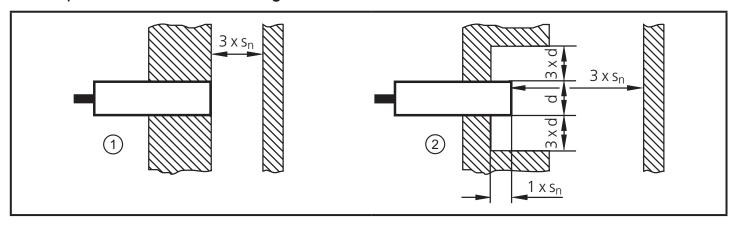
- Please read the operating instructions prior to set-up of the unit. Ensure that the product is suitable for your application without any restrictions.
- The unit conforms to the relevant regulations and EC directives.
- Improper or non-intended use may lead to malfunctions of the unit or to unwanted effects in your application.
- Installation, electrical connection, set-up, operation and maintenance of the unit must be carried out by qualified personnel authorised by the machine operator.

3 Functions and features

Capacitive sensor for monitoring levels of liquids and dry bulk material.

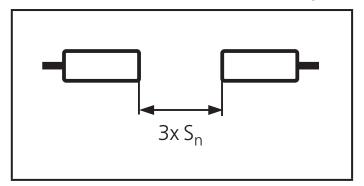
4 Installation

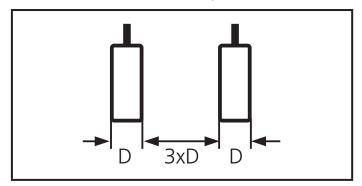
Free space around the sensing face



1: flush 2: non flush

Minimum distances when mounting several switches of the same type





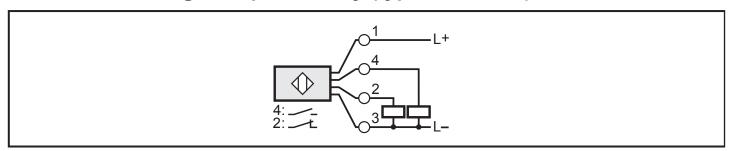
5 Electrical connection

- The unit must be connected by a qualified electrician.

 The national and international regulations for the installation of electrical equipment must be adhered to.
- ▶ Disconnect the installation from power and connect the unit.

5.1 Wiring

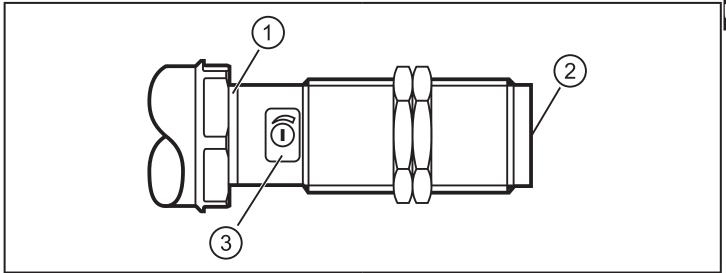
Positive switching, complementary (type ...CPKG...)



Semiconductor output AC/DC (type ...FBOA...)



6 Operating and display elements



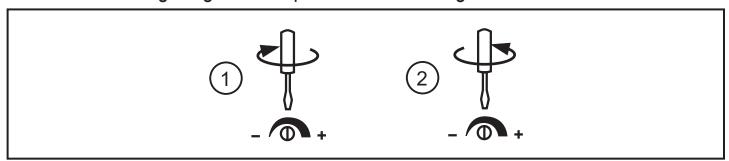
- 1: LED ring yellow
- 2: sensing face

3: potentiometer

7 Settings

7.1 Sensing range

► Set the sensing range via the potentiometer using a screwdriver.



- 1: increase the sensing range
- 2: reduce the sensing range

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8 Operation

Check whether the unit operates correctly. Bring about a sensor response by taking suitable measures.

Display by LEDs (independent of the programmed output configuration):

LED yellow OUT: switching output disabled

LED yellow ON: switching output enabled

9 Maintenance, repair and disposal

The operation of the unit is maintenance-free. For a correct function ensure:

 Keep the sensing face and a clear space, if any, free from deposits and foreign bodies.

It is not possible to repair the unit.

After use dispose of the unit in an environmentally friendly way in accordance with the applicable national regulations.

Technical data and further information at www.ifm.com