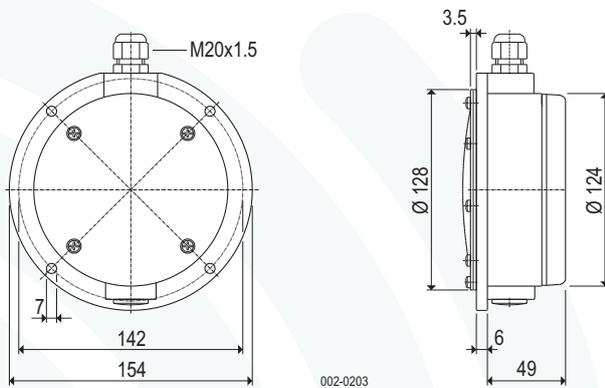


## Appliance information

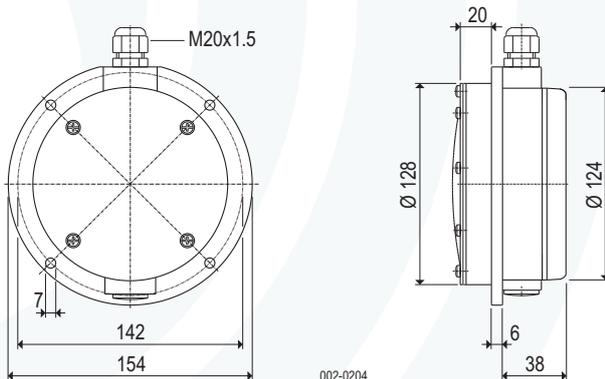
The membrane level indicator observes the level as limit switch in silos, hoppers and vessels.

### Dimensions MFE-A



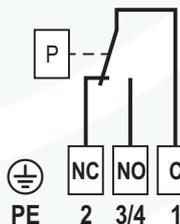
002-0203

### Dimensions MFEF-A



002-0204

### Wiring connection



002-AP01

### Use

Level indicator for dusty, powdery, granulated and grained bulk goods with a maximum grain size of 30 mm and a bulk density from 0.3 t/m<sup>3</sup> ... 2.5 t/m<sup>3</sup>.

### Mode of operation

The bulk goods presses with its weight against the membrane. A tappet directly transfers the pressure from the membrane to the switch. When the bulk goods are decreasing, pressure is taken off the membrane and the switch will be interconnected.

### Construction

The housing carries a membrane which is held in place by a mounting ring. The membrane is transferring the pressure via a tappet onto a switch. Sensitivity is adjustable by a spring.

### Technical data

<b>Materials</b>	Housing - A	Aluminium
	Membrane - E	Stainless steel 1.4301 / 304
	Mounting ring - E	Stainless steel 1.4301 / 304
<b>Temperature range</b>	<b>Ta</b>	-25 °C ... +80 °C
<b>Signal contact</b>	<b>Contact</b>	change-over contact, potentialfree
	max. Switching voltage	U <sub>o</sub> ≤ 30 V
	max. Braking capacity	I <sub>k</sub> ≤ 0.1 A
		} intrinsically safe
<b>Response delay</b>		none
<b>Sensitivity</b>		adjustable from 150 g ... 2000 g
<b>Cable entry</b>		Gland M20x1.5
<b>Type of protection</b>	<b>IP</b>	IP66 DIN EN 60529
<b>Weight</b>	MFE-A	0.95 kg
	MFEF-A	1.00 kg
<b>Maintenance</b>		none
<b>Installation</b>		any position

Subject to modification

ATEX-Option  
B5

Gas+  
Dust

II 1/2D Ex ta/tb IIIC T83 °C  
and  
II 2G EEx ib IIC T6