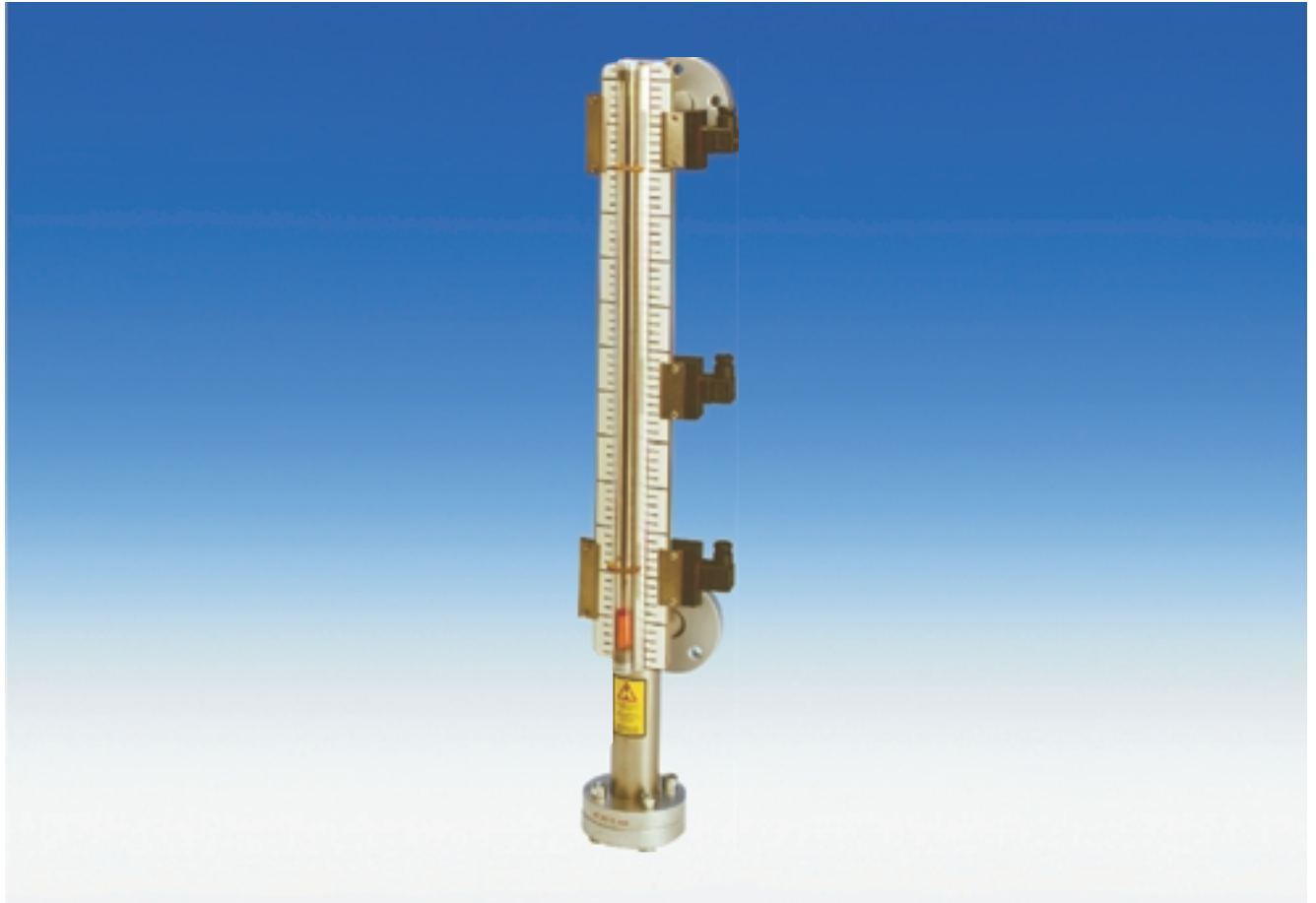


Liquid-level control NS 25-15 and 25-25 AM-Atex for external mounting



The control of liquid level in reservoirs, gear boxes or other complex constructions often requires the use of controls that can be mounted externally with a visual indication of level.

The NS 25... range of level controls has been designed specifically for these applications.

The visual level indicator is a standard item and has excellent visibility from any direction. The indicator itself is guided in a transparent tube and is moved by the magnetic field of the float inside the stand pipe. The electrical contacts are mounted to the indicator scale. The contacts can be adjusted to any position.

The connection to the main structure can be by means of standard pipe fittings or flanges.

This unit is a simple apparatus without own voltage source. In an intrinsically safe installation acc. to EN 60079-14 the level switch can be used in hazardous locations zone 1 (group IIB, cat. 2G). That applies also to the zone inside of the reservoir. For standard

application the temperature class is T5 at ambient temperatures -20 °C to +80 °C.

- **Atex - range of use:
zone 1 (cat. 2G), intrinsically safe
acc. to EN 50020**
- **compact dimensions**
- **sight glass does not contain fluid**
- **visual indicator**
- **float**
- **infinitely variable adjustment**
- **rugged design**

technical data

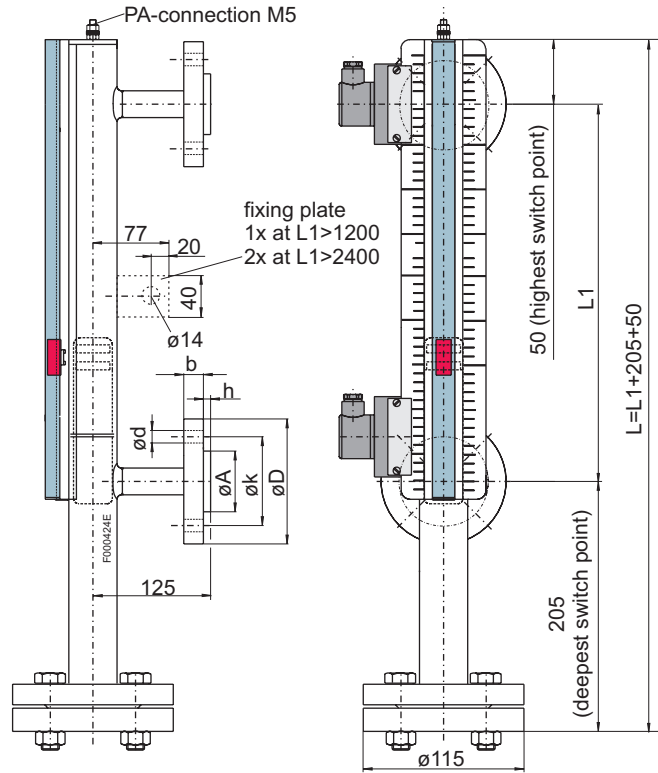
max. operating pressure	25 bar
max. operating temperature	+ 100 °C
spec. gravity of fluid of float SK 661	≥ 0,85 kg/dm ³

material

float SK 661	1.4571
stand pipe	1.4571
flanges	galvanised steel
visual indicator tube	PC

dimensions (in mm)

NS..AM	25/15	25/25
connection flanges (DIN 2656)	DN 15	DN 25
øD	95	115
øk	65	85
ød	14	14
b	16	18
øA	45	68
h	12	14
L max.	3000	3000
S by type of float type: SK 661	205	205
weight (kg) when L1 = 500 mm	9,5	10,5



Ex-qualification: II 2 G EEx ib IIB T5
L_p, C_i : negligible ; **I_{ma x} :** 90mA ; **U_{ma x} :** 30V (DC)



The level switches to be allowed only for intrinsically safe electric circuit !

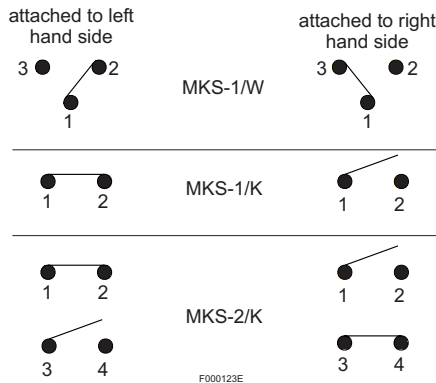
contacts

	MKS-1/K	MKS-2/K	MKS-1/W
type	NC / NO*	NC / NO*	change over
function (bistable)			
connector	3 pol. + PE DIN 43650 (M3)	6 pol. + PE DIN 43651 (S6)	3 pol. + PE DIN 43650 (M3)
protection class	IP 65	IP 65	IP 65
part-no.	28 88 999	28 91 999	28 89 999

*NC=normally closed, NO=normally open

Under rough working conditions with heavy vibration we recommend MKS-1/K or MKS-2/K contacts.

circuit diagram of contacts (float in lowest position)



accessories

	25/15	25/25	
flange gasket part-no.	ø45/ø22x2 2251000	ø68/ø27x2 2252000	controllers for level switch - Atex
mounting screws with screw nut part-no.	8x) DIN931-M12x80 2272999	8x) DIN931-M12x80 2272999	see data sheet DE 18 0004

order information

please indicate with order: dimension L1, type and number of contacts.

type	NS 25/15 AM-Atex	NS 25/25 AM-Atex
part-no.	2001999A	2003999A