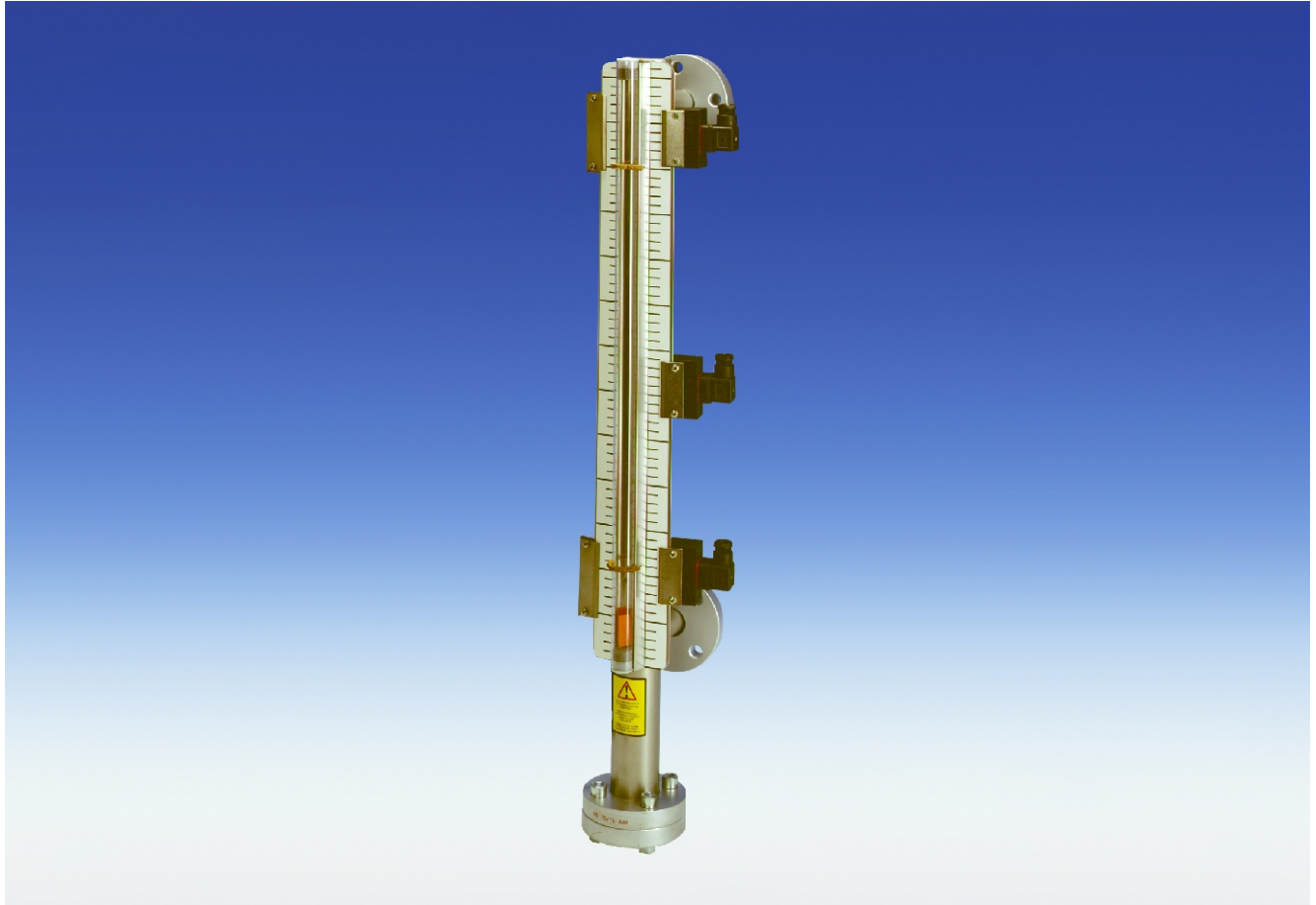


Liquid-level control for external mounting

NS 25/15-AM-Atex, NS 25/25 AM-Atex



Level controls for external mounting are mostly used for level control inside of closed vessels.

The lowest detectable level corresponds to the upper edge of the mounting flange.

Each AM-switch provides a visual indication, clearly observable from different angles. The level contacts are infinitely adjustable on the scale at any height. They are driven by the magnet integrated inside of the float. We provide a large range of contacts for different applications.

This unit is a simple electrical device without its own voltage source. With intrinsically safe installation according to EN 60079-14, the NS 25/15 (25) AM-Atex can be used in hazardous areas of Zone 1 (Group IIB, Cat. 2G). This applies also to the interior space of the vessel. The level switches are ranged in temperature class T4.

- **Atex - range of use: Zone 1 (Cat. 2G), intrinsically safe according to EN 60079-11**
- **Compact dimensions**
- **Adjustable mounting plates**
- **Visual indicator**
- **Rugged design**
- **Practical contacts with plug**

Technical Data

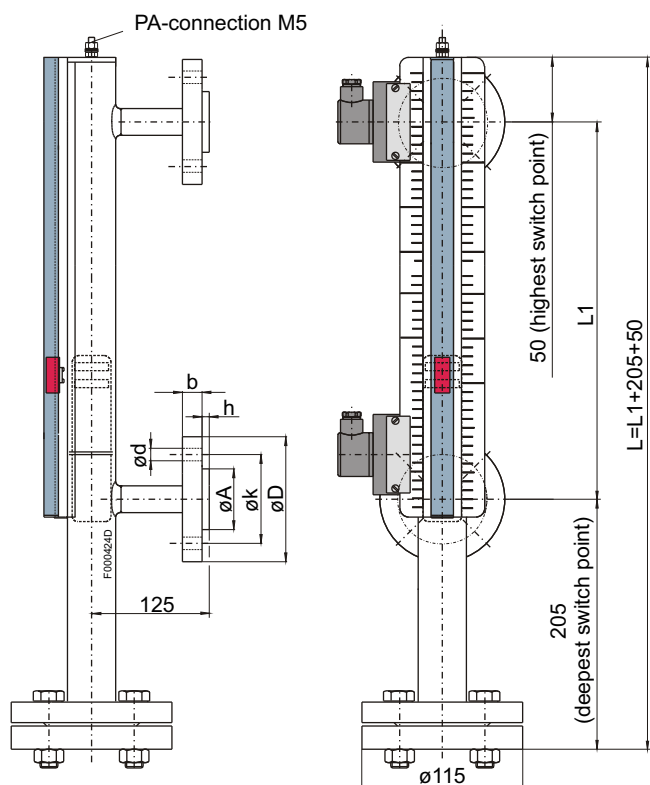
Max. operating pressure	25 bar
Max. operating temperature	100 °C
Spec. gravity of fluid with float SK 661	$\geq 0.85 \text{ kg/dm}^3$

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, SK 661	205	205
Weight		
L1 = 500 mm	9.5 kg	10.5 kg



Ex-qualification: II 2 G Ex ib IIB T4



For Atex compliance this control must be used in conjunction with an intrinsically safe electrical circuit!

Temperature contacts

P _i :	100 mW
I _i :	30 mA
U _i :	15 V
L _i , C _i :	negligible

Contacts

Model	MKS-1/K	MKS-2/K	MKS-1/W
Function (bistable)	NC / NO*	NC / NO*	change over
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.

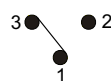
Contact Positions (empty vessel)

attached to left hand side

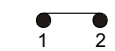
attached to right hand side



MKS-1/W



MKS-1/K



MKS-2/K



F000123E

Accessories

	25/15	25/25	Controllers for level switch - Atex see data sheet DE 18 0003
Flange gasket	ø45/ø22x2	ø68/ø27x2	
Part-no.	2251000	2252000	
Mounting screws with screw nut	8x DIN931-M12x80	8x DIN931-M12x80	
Part-no.	2272999	2272999	

Order Information

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

Model	NS 25/15 AM-Atex	NS 25/25 AM-Atex
Part-no.	2001999A	2003999A