

Level switch

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



Level switches for tank top installation are primarily used to monitor and control liquid levels in closed tanks.

The lowest detectable level is at the top edge level of the bottom connection.

Each AM switch is equipped with a display, which is even easy to see from various lines of sight. The level contacts can be infinitely adjusted on the scale plate. They are activated by the magnetic system integrated in the float. There is a large selection of contacts available for various applications.

This series consists of simple electrical apparatuses. In the case of intrinsically safe connections as per EN 60079-14, the NS 25/15 (25) AM-Atex can be used in Zone 1 (group IIB, device category 2G) explosive areas; this also applies to the inner zone of the tank. The level switches are classified into temperature class T4.

Level switches for tank top installation

ATEX applications: Zone 1 (cat. 2G), simple electrical apparatus according to EN 60079-11

Compact size

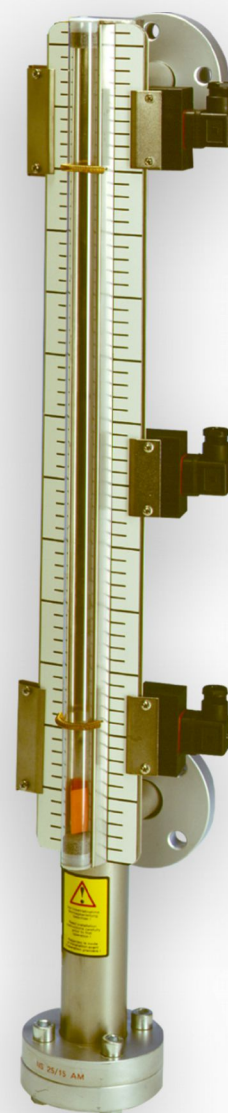
Variable connections

Visual display

Practice-oriented contacts

Sturdy design

Plug-in contacts



Technical Data

Technical Data

Max. operating pressure	362 psi (25 bar)
Ambient temperature:	4 °F to 158 °F (-20 °C to +70 °C)
spec. fluid weight for float SK 661	≥ 0.031 lb/in ³ (≥ 0.85 kg/dm ³)

Material

Float SK661	1.4571
Riser	1.4571
Flanges	S355 galvanised
Sight glass	PC

Dimensions (in mm)

NS...AM-Atex	25/15	25/25
Connecting flange (DIN 2656)	DN 15	DN 25
ØD	3.74" (95 mm)	4.53" (115 mm)
Øk	2.56" (65 mm)	3.35" (85 mm)
Ød	0.55" (14 mm)	0.55" (14 mm)
b	0.63" (16 mm)	0.71" (18 mm)
ØA	1.77" (45 mm)	2.68" (68 mm)
h	0.47" (12 mm)	0.55" (14 mm)
L max.	118.11" (3000 mm)	118.11" (3000 mm)
S for float, type: SK 661	8.07" (205 mm)	8.07" (205 mm)
Weight at L1=19.69" (500 mm)	21 lb (9.5 kg)	23 lb (10.5 kg)

MKS contacts

P_i	100 mW
U_i	30 V
I_i	50 mA
L_i ; C_i	Negligible

The device is suitable for use in ATEX category II 2 G Ex ib IIB T4 Gb.

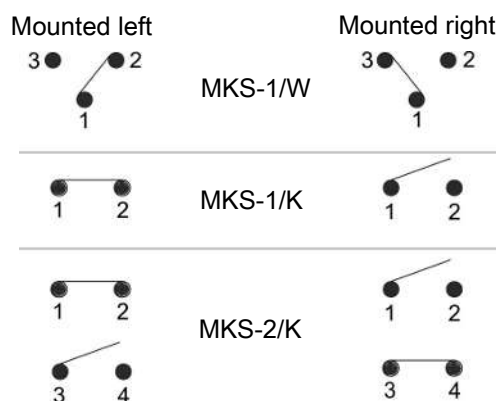
The level switches may only be operated on intrinsically safe circuits!

Contacts

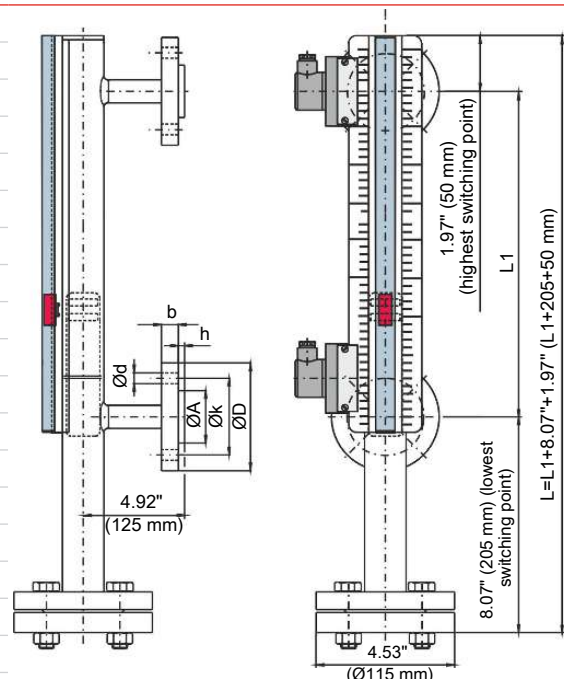
Type	MKS-1/K-M3-Atex	MKS-2/K-S6-Atex	MKS-1/W-M3-Atex
Contact type (bi-stable)	NC contact/NO contact	NC contact/NO contact	Changeover contact
Connector	3-pin + PE DIN EN 175301-803	6-pin + PE	3-pin + PE DIN EN 175301-803
IP rating	IP65	IP65	IP65
Item no.	2888999A	2891999A	2889999A

For applications in high shock and vibration environments we recommend using the contacts MKS-1/K and MKS-2K.

Contact position (tank empty)



Dimensions



Accessories

Flange seal	25/15	25/25
Model	Ø 45/ Ø22x2	Ø 68/ Ø27x2
Item no.	2251000	2252000
Set of retaining screws with nuts	25/15	25/25
Model	8x) DIN931-M12x80	8x) DIN931-M12x80
Item no.	2272999	2272999
Switch amplifier	25/15	25/25
Type, item no.	see data sheet no. 180003	see data sheet no. 180003

Ordering Instructions

When ordering, always specify the measurement L1 and the number and type of contacts!

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