

Liquid-level control for external mounting NS 25/15-AM (-K), NS 25/25 AM (-K)



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 or a continuous level transmitter 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. Contact types MKS-1/W-L-24V are equipped with an LED.

- **compact dimensions**
- **signn glass does not contain fluid**
- **visual indicator**
- **float**
- **infinitely variable adjustment**
- **rugged design**
- **optional continuous analogue signal 4-20 mA**

technical data

type	NS 25/15	NS 25/25
max. operating pressure	25 bar	25 bar
max. operating temperature	+ 120 °C (NS 40: + 50 °C)	

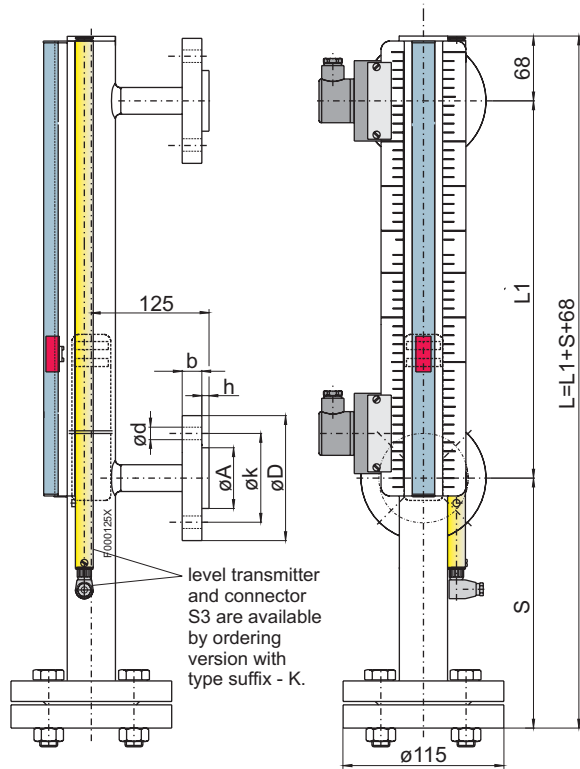
spec. gravity of fluid (kg/dm ³)	SK 661	SK662
type of float:	≥ 0,85	≥ 0,70

material

float SK 661 and SK 662	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
S by type of float		
type: SK 661	205	205
type: SK 662	390	390
wight (kg)		
when L1 = 500 mm	9,5	10,5



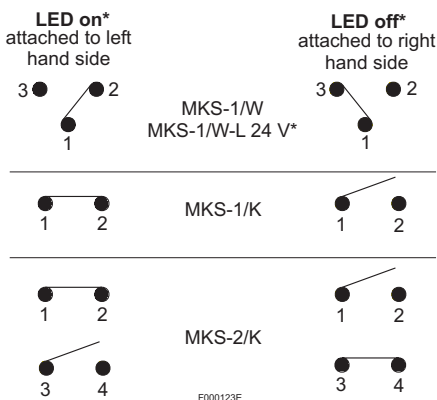
contacts

type	MKS-1/K	MKS-2/K	MKS-1/W	MKS-1/W-L 24 V
function (bistable)	NC / NO*	NC / NO*	change over	change over
max. operating voltage	230 V AC/DC	230 V AC/DC	230 V AC/DC	24 V DC
max. contact load	50 VA	50 VA	50 VA	50 VA
max. current	1 A	1 A	1 A	1 A
connector	3 pol. + PE DIN 43650 (M3)	6 pol. + PE DIN 43651 (S6)	3 pol. + PE DIN 43650 (M3)	6 pol. + PE DIN 43651 (S6)
protection class	IP 65	IP 65	IP 65	IP 65
part-no.	28 88 999	28 91 999	28 89 999	28 90 999

*NC=normally closed, NO=normally open

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

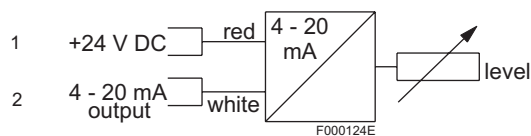
circuit diagram of contacts (float in lowest position)



level transmitter (-K)

analogue output	4 - 20 mA
resolution	7,5 mm
max. load resistance	$R = (U_B - 7,5 V) / 0,02 A$
measuring resistor	reed contact
operating voltage (UB)	24 V DC ± 10%
ripple	< 1%

wiring diagram for NS-.../AM-K with connector S3



accessories

	25/15	25/25
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.

NS...AM	25/15	25/15 K	25/25	25/25 K
with float SK 661	20 01 999	20 70 999	20 03 999	20 71 999
with float SK 662	20 02 999	20 85 999	20 04 999	20 86 999