

Liquid-level controls NS 40-25 AM -K and NS 64-25 AM -K 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 40../64.. 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 unsinkable 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**
- **sight glass does not contain fluid**
- **visual indicator**
- **unsinkable float**
- **infinitely variable adjustment**
- **rugged design**
- **optional continuous analogue signal 4-20 mA**

technical data

type	NS 40	NS 64
max. operating pressure	40 bar	64 bar
max. operating temperature	+ 50 °C	+ 50 °C

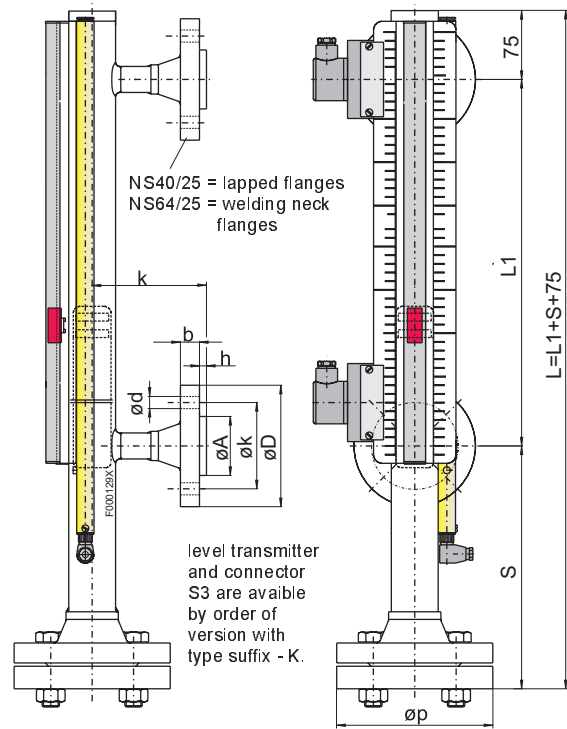
spec. gravity of fluid (kg/dm³)
float SK 596 $\geq 0,85$ kg/dm³

material

float SK 596	plastic
stand pipe	1.4571
flange	galvanic steel
visual indicator tube	PC

dimensions (mm)

NS..AM	40/25	64/25
connection flange	DIN 2656	DIN 2637
nominal size	DN 25	DN 25
øD	115	140
øk	85	100
ød	14	18
b	18	22
øA	68	68
h	14	2
k	125	150
Øp	115	180
S	260	280
weight (kg) when L1 = 500 mm	12,5	32

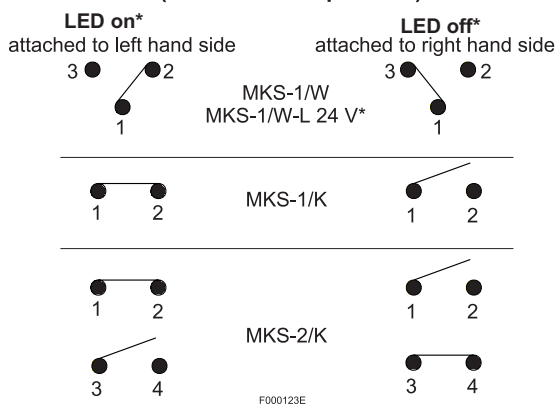


contacts

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 vibrations we recommend MKS-1/K and MKS-2/K contacts.

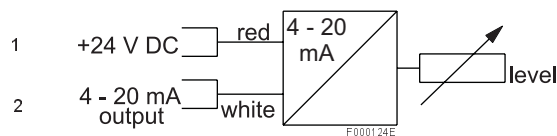
circuit diagram of contacts (float in lowest position)



level transmitter (-K)

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

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



supplies

	40/25	64/25
flange gasket	ø68/ø34x2	ø65/ø25x2
part-no	2253000	2254000
mounting screws with screw nut	8x) DIN931-M12x80	8x) DIN931-M16x70
part-no	2272999	2273999

order information

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

NS..AM	40/25	40/25 K	64/25	64/25 K
part-no.	20 05 999	20 72 999	20 06 999	20 73 999