

Liquid-level switch NS 3 20 AM - 60 for external mounting



The liquid-level switch for external mounting is used for monitoring and control of liquid level in closed pressurized containers. The lowest determinable level position is at upper edge of the lower connecting tube. As the unit is designed without glands any leakage problems are eliminated.

Each level switch is equipped with a visual indicator which is covered by a transparent polycarbonate tube and moves with the main float. The lower edge of the red visual indicator indicates the actual fluid level. The adjustable contacts are fixed to the visual indicator scale. The contacts are actuated magnetically by the main float. The contacts (see details overleaf) can be attached to the left hand side of the indicator scale only, or a continuous level transmitter is attached to the right hand side. These transmitter delivers an analog signal of 4-20 mA.

- **transparent float tube**
- **adjustable contacts**
- **bistable contacts**
- **stainless materials**
- **easy mounting**
- **integrated shut-off valve**

technical data

switch tube

max. operating pressure	3 bar
max. operating temperature	50 °C
spec. gravity of fluid	min. 0,8 kg/dm ³

material

float tube	PVC / plexiglass
float (SK661-K)	1.4571
flange	PVC
shut-off valve	brass
seal	NBR

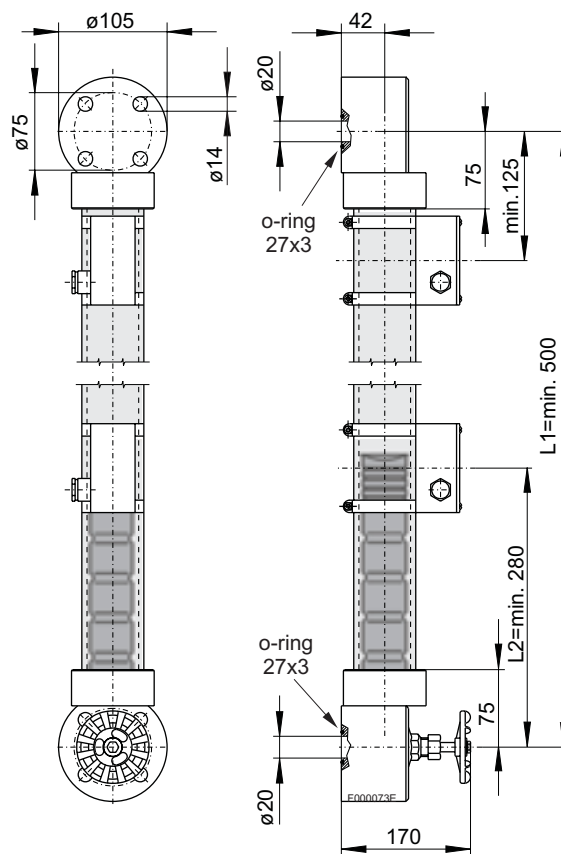
weight when L=500 mm	approx 4,5 Kg
gain in weight per 100 mm	approx 0,4 Kg

contacts

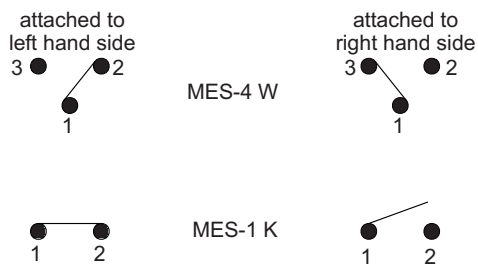
type	MES 1 K 60	MES 4 W 60
function (bistable)	*NC / NO	change over
max. voltage	230 V AC/DC	230 V AC/DC
max. contact load AC	50 VA	40 VA
max. contact load DC	50 W	40 W
max. current	1 A	1 A
electrical connection	2,5 mm ²	2,5 mm ²
protection class	IP 54	IP 54
cable gland	PG 13,5	PG 13,5

part-no.	2823999	2826999
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*NC=normally closed / NO=normally open
 The contacts are available as well with lamp and connector : MES...60-S6



circuit diagram of contacts
 (float in lowest position)



F000122E

accessories

flange gasket	o-ring $\varnothing 27 \times 3$
mounting bolts	8x) DIN931-M12x80

order information

part-no. of basic version, **without** contacts, L=variable

with float	SK 661-K	length
liquid-level switch NS 3/20 AM-60	2018999	- L = ...

order example:

you need: length L= 700 mm, two level contacts, first contact 100 mm NC, second contact 450 mm NO
 you order: part-no. 2018999 liquid-level switch NS 3/20 AM-60 -L= 520, 2x contacts MES 1 K 60 (2823999)
 L1=100 NC, L2 = 450 NO