

Level switch

NS OM-61-0-KS / NS OM-63-KN-KS



The level switch NS OM-61-KS / -63-KN-KS series has been designed for systems that require visual and electrical control of the liquid level. The magnet is placed in the visual indicator to avoid a magnet field close to the liquid hence the unit is perfectly suitable for the control of coolants contaminated with ferrous chips.

The liquid level is controlled by adjustable contacts. The interface with the tank top is by a flange according to DIN 24557 part 2.

The version NS OM-63-KN-KS is for continuous level control 4-20mA.

- **applicatively for cooling lubricant**
- **visual and electrical monitoring**
- **adjustable level contacts**
- **bistable level contacts = only one float**
- **high float sensitivity**
- **international standard flange dimensions**
- **easy installation**
- **maintenance free**

technical data

operating pressure	max. 1 bar
operating temperature	max. 80 °C
spec. gravity of float	min. 0,8 kg/dm ³

material:

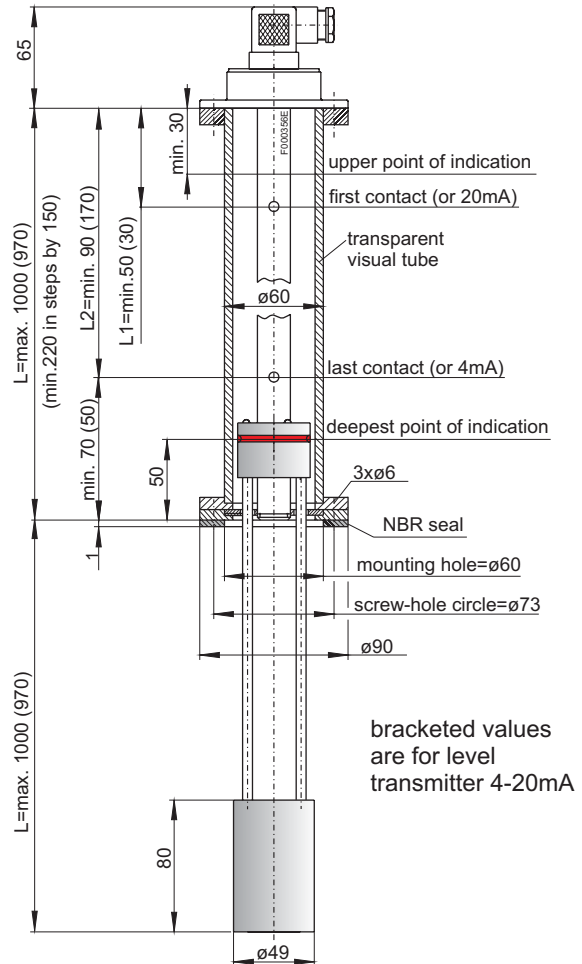
float SK 914 / SK924	hard PU
switch tube	brass
flange	PA 6

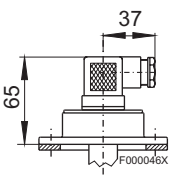
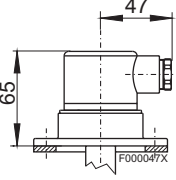
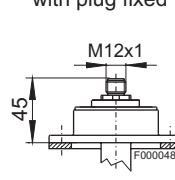
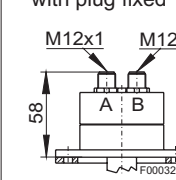
level contacts	K10	W11
function	*NC / NO	change over
min. distance of contact	40 mm	40 mm
max. voltage	230 V	48 V
max. current	0,5 A	0,5 A
contact load	10 VA	20 VA
part-no	1889999	1890999

* NC = normally closed / NO = normally open all figures at **empty reservoir**

level transmitter (-KN)

measuring resistor	reed contact
resolution	4 mm
voltage (UB)	10-30 V
ripple	1 %
output	4-20 mA
load Ω max.	= UB - 7,5V / (0,02A)



connectors	M3	S6	M12	2x M12
other connectors upon request	3 pol. + PE DIN 43650	6 pol. + PE DIN 43651, Teil 2	4 pol.	4 pol. / 4 pol.
protection class	IP 65	IP 65	IP 67**	IP 67**
cable gland	PG 11	M20 x 1,5	PG 7**	PG 7**
				
max. no of contacts level	2 x K10 1 x W11	4 x K10 2 x W11	2 x K10 1 x W11	4 x K10 2 x W11
voltage max.	230 V AC/DC 48 V with change-over contact	230 V AC/DC 48 V with change-over contact	24 V DC	24 V DC

ordering information

part no of basic version, **without** contact, with float SK914

with connector

		M3	S6	M12	2x M12
L=250mm	level switch NS OM 61-0-KS	1083199250	1083299250	1083399250	1083499250
L=370mm	level switch NS OM 61-0-KS	1083199370	1083299370	1083399370	1083499370
L=520mm	level switch NS OM 61-0-KS	1083199520	1083299520	1083399520	1083499520
L=variable	level switch NS OM 61-0-KS	1083199	1083299	1083399	1083499

continuous level control 4-20mA, with float SK924

with connector

		M3	M12
L=220mm	level switch NS OM 63-KN-KS	1083599220	1083699220
L=370mm	level switch NS OM 63-KN-KS	1083599370	1083699370
L=520mm	level switch NS OM 63-KN-KS	1083599520	1083699520
L=variable	level switch NS OM 63-KN-KS	1083599	1083699

order example:

you need: length L= 580 mm, connector M3, 2x contacts, 1.contact 100 mm normally closed (NC), 2. contact 500 mm normally open (NO)
you order: 1083199 level switch NS OM-61-0-KS-M3, L= 580, 2 x contact K10 (1889999) L1=100 NC, L2 = 500 NO