

NS-OM-61/63

NS-OM-61/63

- Visual and electrical liquid level monitoring
- Max. voltage 230 V
- Variable lengths
- Version NS-OM-63 with analog output 4-20 mA for continuous liquid level control



NS-OM-64-EasyJust

NS-OM-64

- Visual and electrical liquid level monitoring
- Easy Just System: user-optimized adjustability of cordless level contacts
- Fixed length 280, 370, 500 mm



NS-OM-VA

NS-OM-VA

- Visual and electrical liquid level monitoring
- Max. supply voltage 230 V
- Stainless steel option for harsh environment
- Level contact mounted and adjustable outside



Technical data

NS OM-61, 63, 64

Basic unit

max. operating pressure 1 bar
 operating temperature -20 °C to +80 °C
 min. spec. gravity 0.80 kg/dm³

Material

float hard PU
 guide bar aluminium
 switching tube brass
 flange (DIN 24557) PA
 stilling tube (option) brass

Type

lengths **61**
 L = 280, 370, 500 (standard)
 variable up to max 1000

Level contacts

| | | |
|--------------------------|------------------------|---------------------------|
| function | K10 NO / NC* | W11 change over |
| max. voltage | 230 V | 48 V |
| max. current | 0.5 A | 0.5 A |
| max. contact load | 10 VA | 20 VA |
| min. distance of contact | 40 mm | 40mm |

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



Type

lengths **64**
 L = 280, 370, 500

Level contacts

| | |
|--------------------------|---|
| function | K = NO / NC* or W = change over |
| max. voltage | 30 V |
| max. current | 0.5 A |
| max. contact load | 10 VA |
| min. distance of contact | 40 mm |

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

Type

lengths **63** (continuous level)
 L = 280, 370, 500, 670, 820 and 970*

measuring resistor

resolution reed-contact
 5 mm
 operating voltage (U_B) 10 - 30 V DC
 output 4 - 20 mA
 load Ω max. = U_B - 7.5 V / (0.02 A)

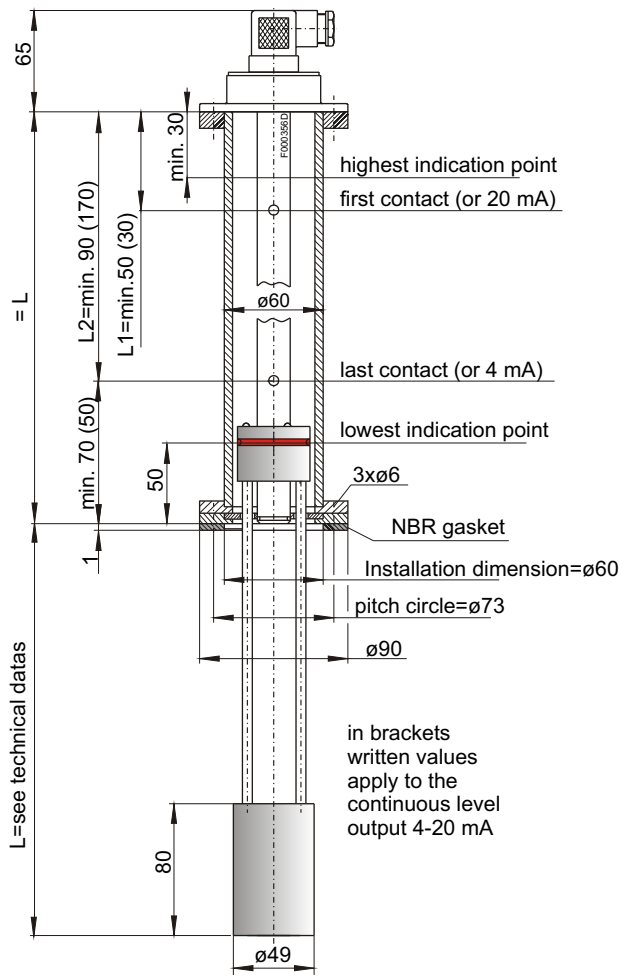
*other lengths on request

Option

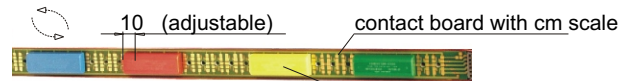
SSR - stilling tube

Included in the delivery

mounting bolts M5 (6 pieces) and GI cork-gasket



The Easyjust System



changing of contact function NO/NC by turning the contacts about 180°

wireless (bi-stable) level contacts function: NO or NC

| Connector | M3 (DIN EN 175301-801) 3 pol. + PE 230 V AC/DC* IP 65 PG 11 | S6 (DIN EN 175201-804) 6 pol. + PE 230 V AC/DC* IP 65 M20 x 1,5 | M12 (base) 4 pol. 30 V DC IP 67** | 2 x M12 (base) 2 x 4 pol. 30 V DC IP 67**IP 65 (only NS OM-61) |
|--|---|---|--|--|
| max. voltage protection class cable connection | | | | |
| level contact(s) NO / NC | | | | |
| level contact(s) Wechsler | | | | |
| NS OM-63-KN (continuous level) | | | | |

* max. 48 V for change over contact / max. 30 V for NS-OM 64 / **with casted connector head / other connectors on request

Product code for NS OM-61, 64

NS OM-



Series NS OM-

Typ

61

64 Easy Just

Connector

M3

S6

M12

2x M12 (type 61 only)

Length (mm)

280

370

500

variable (max. 1000 mm only for type 61)

level contacts

1-4

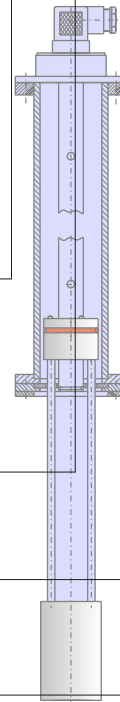
Level contact

K = NO/NC

W = change over

Option

SSR stilling tube



Product code for NS OM-63

NS OM-



Series NS OM-

Typ

63 (continuous level)

Resolution

5 mm

Connector

M3

M12

Length

280

370

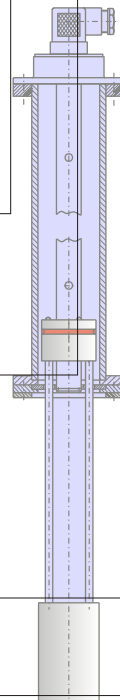
500

820

970

Option

SSR stilling tube



Example for order

You need: Visual and electrical monitoring of level length 600 mm with 2 contacts K10, 1st contact 100 mm NC, 2nd contact 420 mm NOr

You order: NS OM 61-S6-/ 600 - 2K L1=100 NC, L2 = 420 NO

Technical data

NS OM-VA

Basic unit

| | |
|-------------------------|-------------------------|
| max. operating pressure | 1 bar |
| operating temperature | -20 °C to +80 °C |
| min. density of fluid | 0.80 kg/dm ³ |

Material

| | |
|----------------|-------------------------------|
| float SK 903 | PU/Al/PP |
| immersion tube | 1.4571 |
| flange | 1.4571 |
| stilling tube | 1.4571 (included in delivery) |
| sight glass | PC |

Type

| | |
|------------|---|
| lengths mm | MKS 280, 370, 500 variable up to max 820 |
|------------|---|

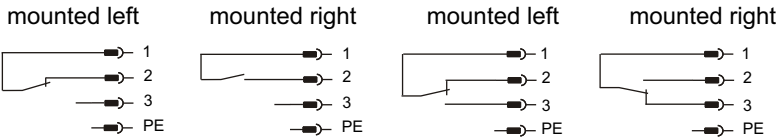
Contacts

| | MKS-1/K | MKS-1/W |
|---------------------------|------------------------|------------------------|
| type | NC/ NO* | change over |
| function | | |
| max. voltage | 230 V AC/DC | 230 V AC/DC |
| max. current | 1 A | 1 A |
| max. contact load | 50 VA | 40 VA |
| connector | 3 pol. + PE | 3 pol. + PE |
| protection class | M3 (DIN EN 175301-803) | M3 (DIN EN 175301-803) |
| part no. | IP65 | IP65 |
| other contacts on request | 288 89 99 | 288 99 99 |

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

MKS-1/K

MKS-1/W

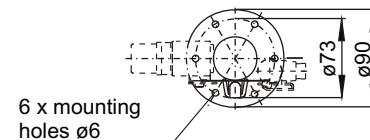
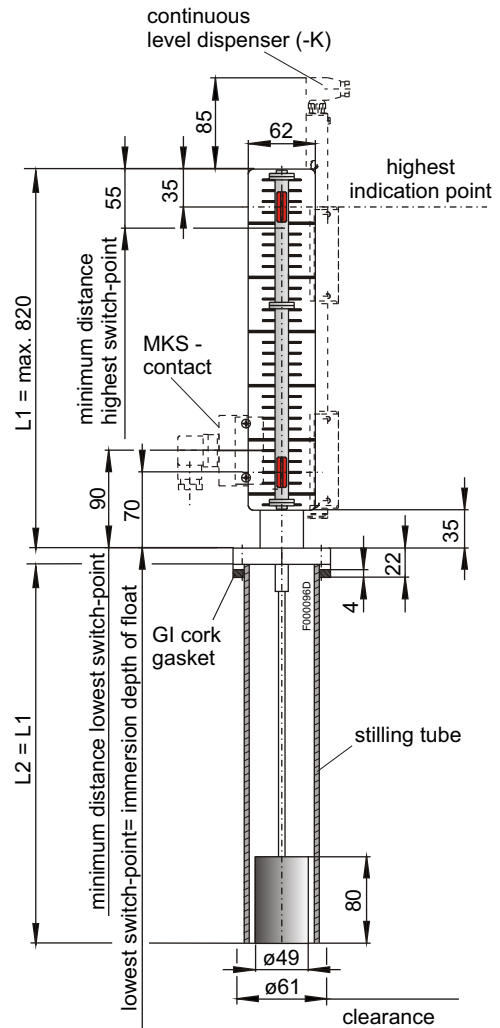
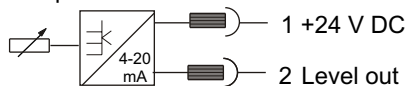


contact position at **empty reservoir**

Type

| | | |
|-------------------------------------|------|---|
| lengths | mm | K (continuous level measurement) 280, 370, 500, 670, 820* |
| | inch | 11, 14.6, 19.7, 26.4, 32.3* |
| measuring resistor | | reed-contact |
| resolution | | 5 or 10 mm (0.2 or 0.4") |
| operating voltage (U _B) | | 10 - 30 V DC |
| output | | 4 - 20 mA |
| load Ω max. | | =(U _B - 7.5 V) / 0.02 A |

*other lengths on request



Product code for NS OM-VA

Type **NS OM-VA-MKS**

Length (max. 820 mm)
280
370
500
 Variable (please specify)

Type **NS OM-VA-K**

5 continuous resolution 5 mm
10 continuous resolution 10 mm

Length (mm)
280
370
500
670
820

Example for order

You need: Visual and electrical level monitoring in stainless steel design (VA), length L= 600 mm and 2 x contact MKS 1/W

You order: NS OM-VA-MKS / 600 + 2 x contact MKS-1W (Part No: 288 99 99)