

Technical Data

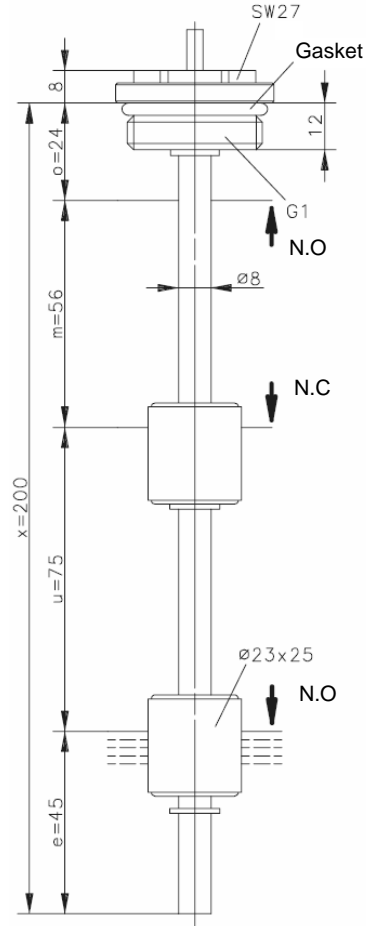
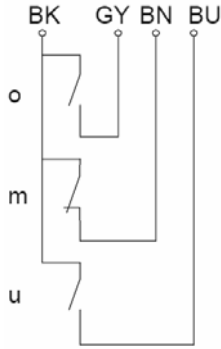
Float Switch

Mini-level float switches

Description **MSK4-MS-R1,0-SOS 0200**

Article number **6891249004**

Wiring diagram
(non activated condition)



Characteristic features in accordance with EN 60947-5-1

Electrical data

max. switching voltage	150 V
max. switching current	0,5 A
max. switching capacity	10 VA
Mechanical life	10 ⁷ to 10 ⁹ switches depending on the load
Output signal	o= N.O., rising level m= N.C., falling level u= N.O., falling level
Protection class	II (totally insulated)

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Mechanical data

Flange material	CuZn39Pb3 (2.0401)
Switching tube material	CuZn37 (2.0321)
Float material	NBR
-density	about 0,6 g/cm ³ ±10%
-depth of immersion	16 mm ±2 mm (to a fluid-density of 1 g/cm ³)
Adjusting ring material	CuZn8 (2.1030)
Gasket material	NBR
Ambient air temperature	-5 °C bis +60 °C
Liquid temperatur	-5 °C bis +60 °C
Connection	2 m Cable, PVC 4 x 0,25 mm ²
Protection type	IP 65 acc. to IEC529 / EN 60529
Max. pressure	15 bar

EC Conformity

acc. to directive 2006/95/EC

General details

Repeatability of switching points is ±0,05mm based on the same geometrical conditions as of a switch device.

The measures of the switching points refer to a fluid-density of 1 g/cm³.

The tolerance of the switching points is ±2mm

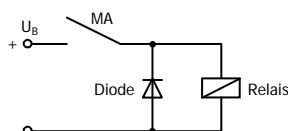
Use only with safe voltage sources.

Maximum data must not be exceeded!

Pay attention to the contact protection, when switching inductive or capacitive loads!

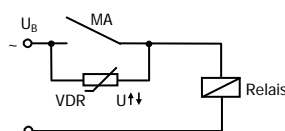
Inductive loads

Direct current

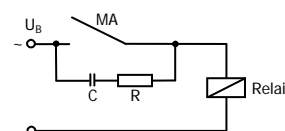


Suppression of voltage peaks with a free-wheeling diode

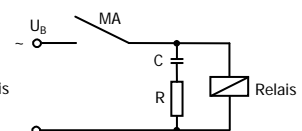
Alternating voltage



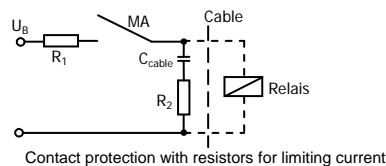
Suppression of voltage peaks with a VDR



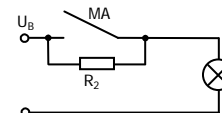
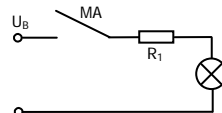
Suppression of voltage peaks with an RC element



Capacitive loads and lamp loads



Contact protection with resistors for limiting current



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