

Technical Data

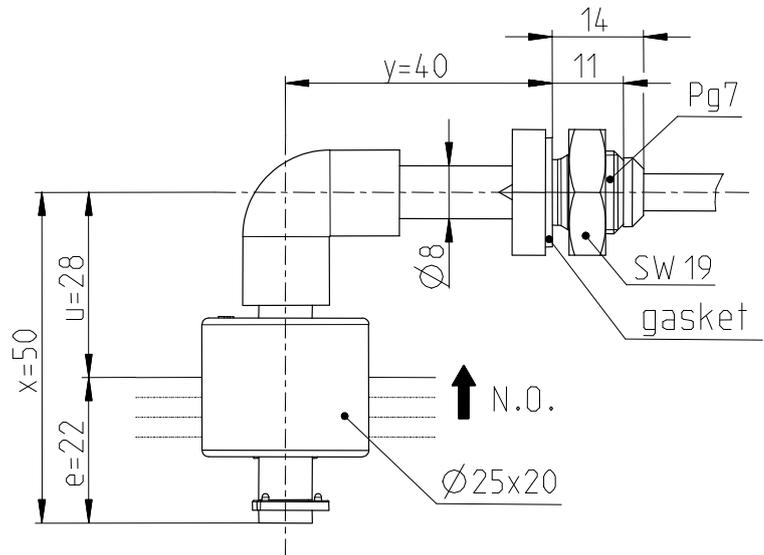
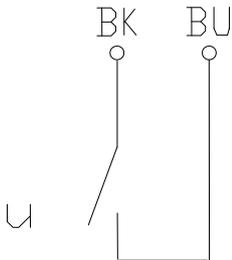
Float Switch

Standard float switches

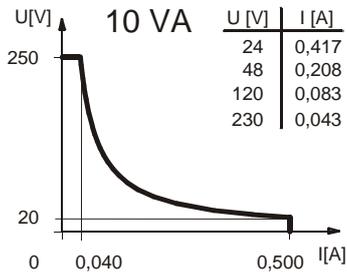
Description **MSK1-PVC-WPG7-S 0050**

Article number **6891314006**

Wiring diagram
(non activated condition)



Performance diagram



Characteristic features in accordance with EN 60947-5-1

Electrical data

max. switching voltage	250 V
max. switching current	0,5 A
max. switching capacity	10 VA
mechanical life	10 ⁷ to 10 ⁹ switches depending on the load
Switching element	1 x normally-open contact, rising level
Protection class	II (protective insulated)

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Mechanical data

Casing material	PVC
Hexagon nut material	PVC
Switching tube material	PVC
Float material	PP
-density	about 0,55 g/cm ³ ±10%
-depth of immersion	12 mm ±2 mm (to a fluid-density of 1 g/cm ³)
Adjusting ring material	PVC
Gasket material	PE
Ambient air temperature	-5°C to +60°C
Liquid temperature	-5°C to +60°C
Connection	Cable 5 x 0,5 mm ² x 1 m ± 5 %, PVC
Protection type	IP 65 acc to IEC529 / EN 60529
Max. pressure	5 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.

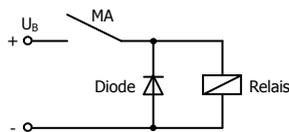
The measures of the switching points refer to a fluid-density of 1 g/cm³.

The tolerance of the switching points is ±2mm

Pay attention to the contact protection, when switching inductive loads. Maximum data must not be exceeded!

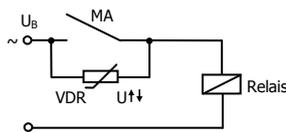
Inductive loads

Direct current

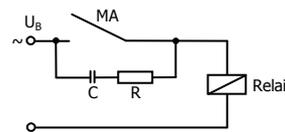


Suppression of voltage peaks with a free-wheeling diode

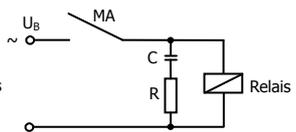
Alternating voltage



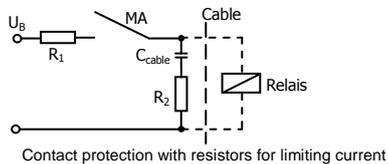
Suppression of voltage peaks with a VDR



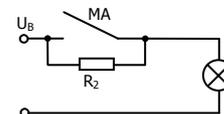
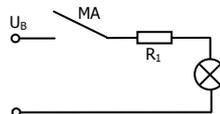
Suppression of voltage peaks with an RC element



Capacitive loads and lamp loads



Contact protection with resistors for limiting current



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