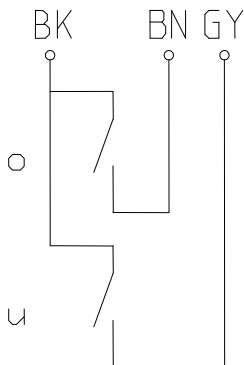# Technical Data
Float Switch
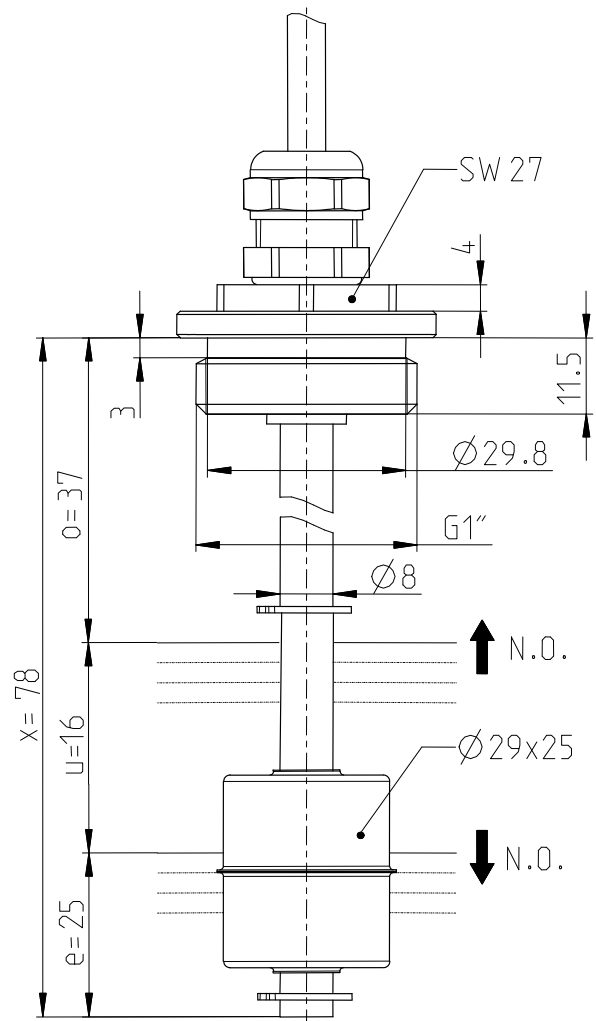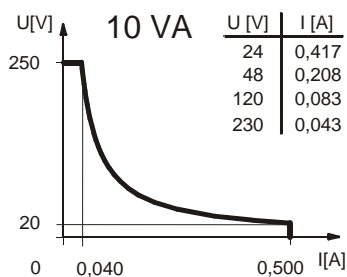
BERNSTEIN

Mini-level float switches

Description   **MSN2-MS-R1,0-2S 0078**   Article number   **6891289002**

Wiring diagram
(non activated condition)

Performance diagram

10 VA

U [V]	I [A]
24	0,417
48	0,208
120	0,083
230	0,043

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 1 x normally-open contact, falling level
Protection class	II (protective insulated)

Technical Data
Float Switch

BERNSTEIN

Mechanical data

Screw connection material	CuZn39Pb3 (CW614N)
Switching tube material	CuZn37 (CW508L)
Float material	X6CrNiMoTi17-12-2 (1.4571)
-density	about 0,6 g/cm³ ±10%
-depth of immersion	18 mm ±2 mm (to a fluid-density of 1 g/cm³)
Adjusting ring material	CuSn8 (CW453K)
Ambient air temperature	-10°C to +110°C
Liquid temperature	-10°C to +110°C
Connection	Cable 3x0,5 mm² x 2m ± 5 %, Silicon
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!
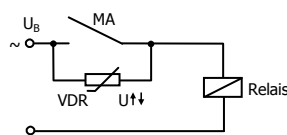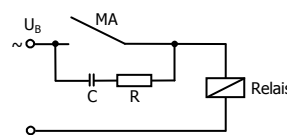
Inductive loads

Direct current   Alternating voltage
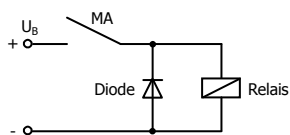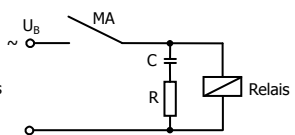

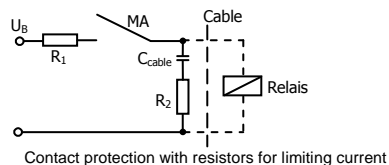Suppression of voltage peaks with a free-wheeling diode
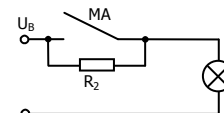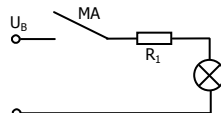
Suppression of voltage peaks with a VDR

Suppression of voltage peaks with an RC element

Capacitive loads and lamp loads

Contact protection with resistors for limiting current

Vorlage : 0850174275 Orig. 2