

Technical Data

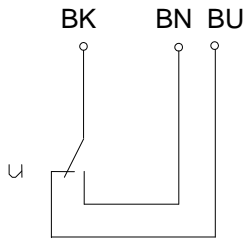
Float Switch

Standard float switches

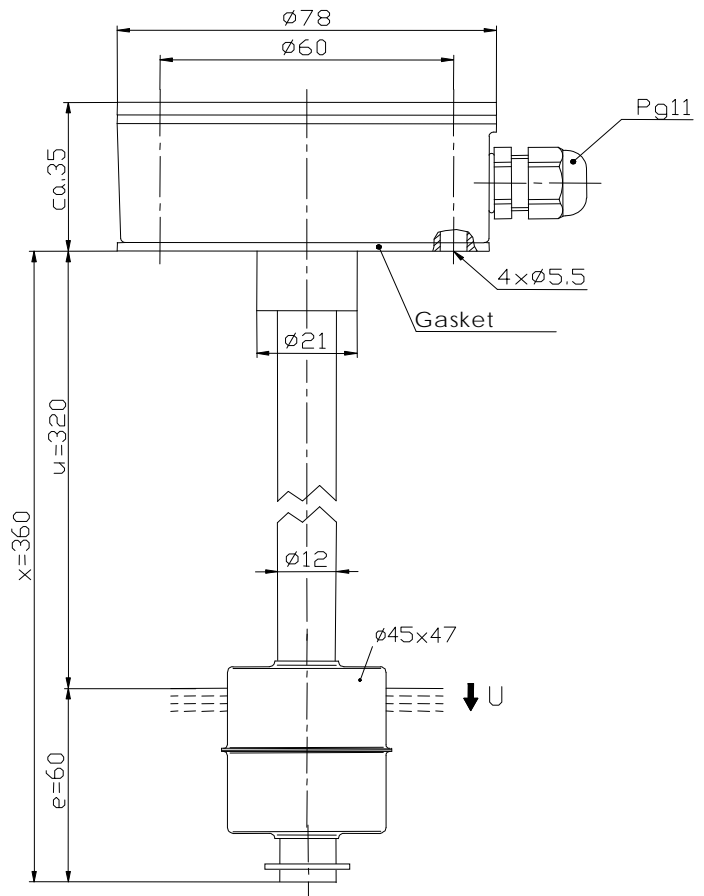
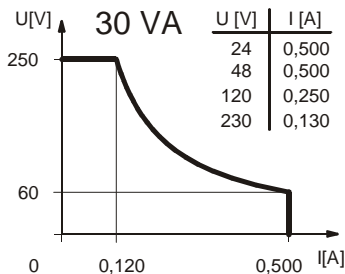
Description **MAP-713 KSS 0380**

Article number **6815205059**

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	1,0 A
max. switching capacity	60 VA
min. switching capacity	3 VA
Mechanical life	10^7 to 10^9 switches depending on the load
Switching element	1 change over, falling level
Protection class	I

Mechanical data

case material	GK-AISI12 (3.2581.02)
Switching tube material	CuZn37 (CW508L)
Float material	X6CrNiMoTi17-12-2 (1.4571)
-density	about 0,7 g/cm ³ ±10%
-depth of immersion	32 mm ±2 mm (to a fluid-density of 1 g/cm ³)
Adjusting ring material	CuSn8 (CW453K)
Gasket material	NBR
Ambient air temperature	-5 °C bis +60 °C
Liquid temperature	-5 °C bis +60 °C
Connection	connecting block inside the case box
Protection type	IP 65 acc to IEC529 / EN 60529
max. pressure	5 bar

This document will not become the contractual basis; the details included herein do not constitute any descriptions of expected conditions, so that warranties/claims for defects on account of possible variations of the actual from the here described condition are excluded. Subject to modifications and amendments.

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General details

Repeatability of switching points is $\pm 0,05$ mm 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/cm^3 .

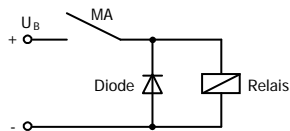
The tolerance of the switching points is ± 2 mm.

Maximum data must not be exceeded!

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

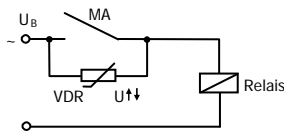
Inductive loads

Direct current

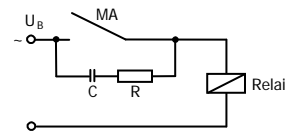


Suppression of voltage peaks with a free-wheeling diode

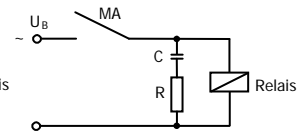
Alternating voltage



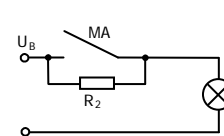
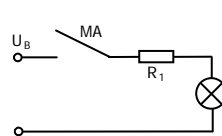
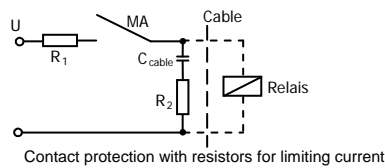
Suppression of voltage peaks with a VDR



Suppression of voltage peaks with an RC element



Capacitive loads and lamp loads



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