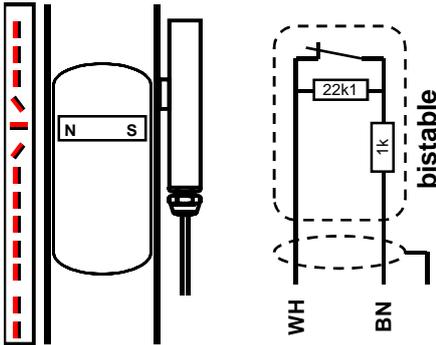


External electrical connections



~ Installed opposite to indication rail
~ Cable exit downwards

Instruction manual

Function Magnetic switch for WEKA- VLI

The magnetic switch is mounted outside of the float chamber opposite to the indication rail. The switching logic can be reversed by inverting the switch module with cable-exit upwards or by installing the switch module adjacent to the indication rail where technically authorised (see datasheet 20010501).

The magnet inside the float activates the reed switch, when the liquid in the float chamber reaches that level.

Monitoring of short or open circuits is possible through the continuous resistor network from the Namur-switch circuit.

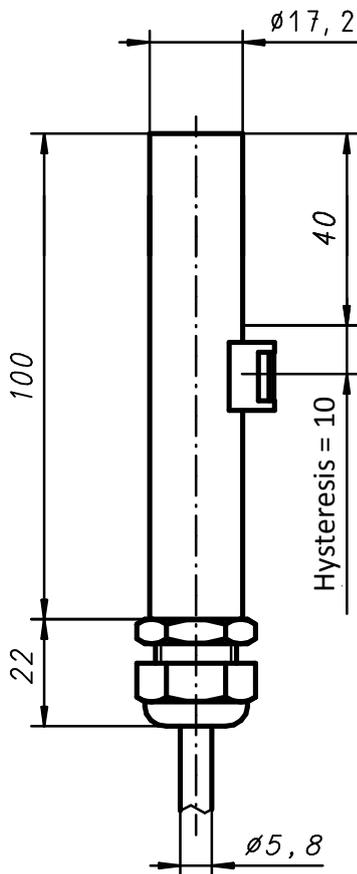
Please refer to the safety guidelines.

Product code	(standard)	31130-NA-NAM/3	with 3m cable
		31130-NA-NAM/5	with 5m cable
		31130-NA-NAM/10	with 10m cable
		31130-NA-NAM/20	with 20m cable

Switching logic

on/off, bistable
with Namur- Resistor network

Dimensions



Contact rating

U _i =	max.	10.6V
I _i =	max.	60mA
P _i =	max.	200mW
C _i =	max.	250pF
L _i =	max.	5uH

Enclosure

IP68 - 5bar (EN 60529)



Material

Housing	Stainless steel 316 /316L
Cable gland	PA6: blue, 4ø 8mm
Seal	Perbunan (NBR)
Cable	LiYCY/EB: blue, Ø5.8mm (110pF, 0.7µH/m)
Shield	shielded, but not connected
Cable cores	2 x 0,75mm ²
Core colours	WH, BN
Type label	Polyester: silver, black printing

Operating conditions

Media temperature	Ambient temperature
-50°C ÷ +150°C	-20°C ÷ +80°C

Media temperature
Ambient temperature

Temperature of liquid within the float chamber
Temperature of air around the magnetic switch

Fixation

When ordering level indicators with switches, hose clamps are included.

When ordering switches as spare parts, hose clamps are never included and must be ordered separately.

In case of ordering hose clamps pipe size must be indicated:

For pipe diameter	30ø 40mm	Article no.	80648
For pipe diameter	40ø 57mm and 57ø 80mm	Article no.	84043

Note

According to IEC EN60079, §5.7, the switch is considered as a simple operating apparatus [Ex ia] and may be used in explosion hazard area. It is NOT type approved according to the rules 94/9/EC!

For the evaluation of the NAMUR circuit with a complimentary intrinsically safe operating apparatus [Ex ia] we recommend a switch amplifier from the company Stahl, (i.e. Type 9170-...-...) (Further information can be obtained from WEKA)