

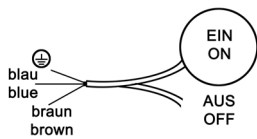


Float switches PSN

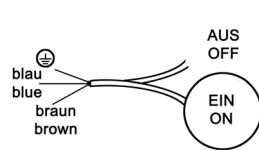
The connection, commissioning and maintenance of the float switch must be under the guidance of appropriate personnel. Please note that for the construction and commissioning of electrical equipment relevant prevailing standards.



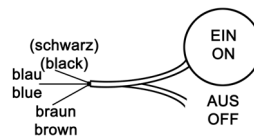
Circuit Diagrams Float switch PSN



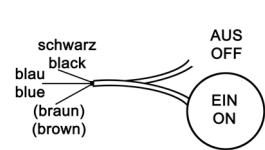
Float switch PSN-O
for emptying



Float switch PSN-F
for filling

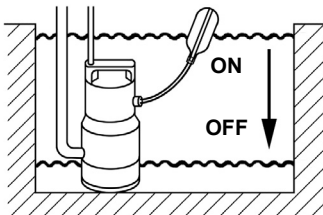


Float switch PSN-X
here in function for emptying

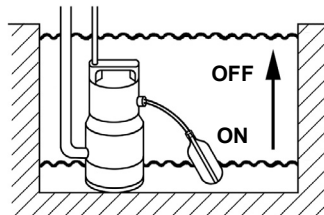


Float switch PSN-X
here in function for filling

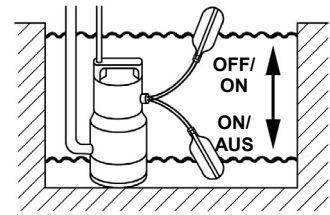
Versions PSN



PSN-O Float switch for emptying
Switch closed in upper position and switches the pump on

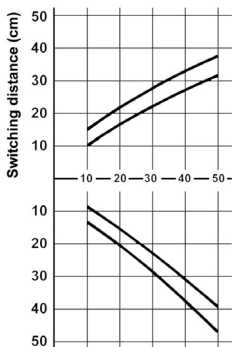


PSN-F Float switch for filling
Switch opens in upper position and switches the pump off



PSN-X Float switch for filling and emptying with SPDT (without protective conductor)

Switching Diagram

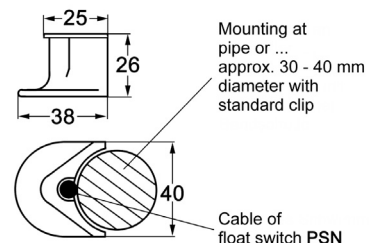


Upper switching point
depending on lead length

Lead length L in cm

Lower switching point
depending on lead length

Accessories, Cable support



The recommended cable support accessory **K-PS** (see sketch above) used to set the lead length or the cable weight, **BG-PS** and **IG-PS** respectively, can be used to fix the cable to the required length.

Technical data float switches PSN

Technical Data PSN-O/F/X	
Rated operational voltage U_e	250 V ~
Rated operational current I_e	8 A
Contact rating	1.1 kW
Max. cycles Cycles 50 E3	≥ 50.000
Temperature resistance Cable VDE 282 Part 4 12/95	60 °C
Body	85 °C
Protection watertight, depth 10 m	IP 68
Wire cross sections VDE 0631 Part 1 01/96	3 x 1 mm ²
Lead black	H 07 RN-F

Technical Data PSN-O DB	
Rated operational voltage U_e	< 30 V-DC
Rated operational current I_e	11 mA (R=2,7k) 2.4 mA (R=12,7k)
Rated switching capacity* Thermal switching capacity	250 V AC, 1 mA 250 V AC, 6 A
Max. cycles Cycles 50 E3	≥ 50.000
Temperature resistance Cable VDE 282 Part 4 12/95	60 °C
Body	85 °C
Protection watertight, depth 10 m	IP 68
Wire cross sections VDE 0631 Part 1 01/96	3 x 1 mm ²
Lead black	H 07 RN-F

* These models were conceived so that they can be used in circuits with a low switching capacity (min. 1mA / 4V) and with a middle switching capacity (max. 5A).

The respective product may be used only in one of these circuit types during his complete use duration.

Resistance Body / Cable

Resistance
Formic acid (hydrous 10%), Gasoline (normal), Diesel, Formaldehyde (hydrous 40%), Glycerine, Fuel oil, Lactic acid (hydrous 10%), Phosphoric acid (hydrous 10%), Nitric acid (hydrous 10%), Sulfuric acid (hydrous 35%), Washing powder

Limited resistance
Acetic acid (hydrous 10%), Nitric acid (hydrous 10%), Chlorinated water, Hydrogen peroxide



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