

Float switches NIVOSTOP SS2

- Mercury-free
- Fair cost
- Easy to install
- Compatible with chemicals
- Switching current 1 mA ... 3 A

APPLICATIONS

- Limit switch
- Sewage lifting plants
- Filling / draining control of tank
- Liquid level control in all industries

DESCRIPTION

NIVOSTOP SS2 float switches are designed for level control in tanks and basins. The cigar-shaped type is for insertion in tank with a hole of diameter 30 mm, for instance through the wall or the top of the tank. The float switch rotates on one fixed point on its cable. The float follows the level of the liquid. The built-in contact switches at about 5 to 15° of angle below or above the fixed point. The height of switching point depends on the length of the cable between fixed point and float.

TECHNICAL FEATURES

Voltage: 4 V ... 250 V AC; 4 ... 30 V DC

Note:

At voltages >50V, the liquid must be at earth potential or the float switch must be operated with an extra-low voltage.

Current: 1 mA ... 3 A

Switch type: Microswitch (gold contacts), changeover contact, potential-free

Temperature limits: +1 ... +60 °C

Operating pressure: 0.5 bar as a maximum

Liquid density

TPK and TPK/PES cables: $\rho \geq 1.0 \text{ kg/dm}^3$

PVC cable (lubricating oil) $\rho \geq 0.9 \text{ kg/dm}^3$

Materials

Float and cable gland: Polyethylene (PE-HD)

Protection IP 68

Cable TPK, PVC, TPK/PES

Cable material 3x 0.5mm²

Chemical resistance of cables

TPK (type ...W) Water, solutions with low-concentration of alkalis or acids

PES (type ...WA) Acid-resistant (Chemical compatibility on request)

PVC (type ...WH) Lubricating oil

Sealing

Cable types TPK and PES TPR

PVC cable NBR

EC Conformity: The instrument meets the legal requirements of the current European Directives

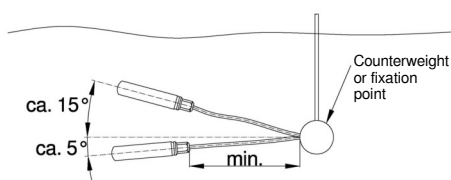


SS2 WA



SS2 KW

Operating (example)



CAUTION:

Fixed point minimum distance: PVC Cable = 100 mm
Other cables = 80 mm



Pression - Température

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Float switches
NIVOSTOP SS2

15-02-2024

D-520.01-EN-AF

LEV

520-01 /1

CODE NUMBERS AND REFERENCES

Cigar-shaped float switches (NIVOSTOP SS2/ W..):

Code	Reference	Specificity
520 802	SS2 / W2	TPK cable, 2m
520 805	SS2 / W5	TPK cable, 5m
520 808	SS2 / W10	TPK cable, 10m
520 830	SS2 / WA2	TPK cable with PES sheath, acid-resistant, 2m
520 834	SS2 / WA5	TPK cable with PES sheath, acid-resistant, 5m
520 837	SS2 / WA10	TPK cable with PES sheath, acid-resistant, 10m
520 840	SS2 / WH2	PVC cable for lubricating oil, 2m
520 845	SS2 / WH5	PVC cable for lubricating oil, 5m
520 846	SS2 / WH10	PVC cable for lubricating oil, 10m

Other cable lengths: on request.

Pear-shaped float switches (NIVOSTOP SS2/ KW..):

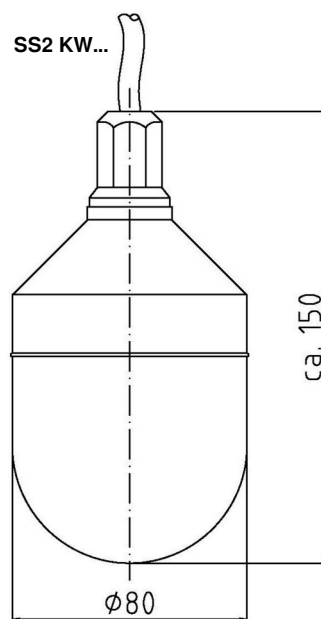
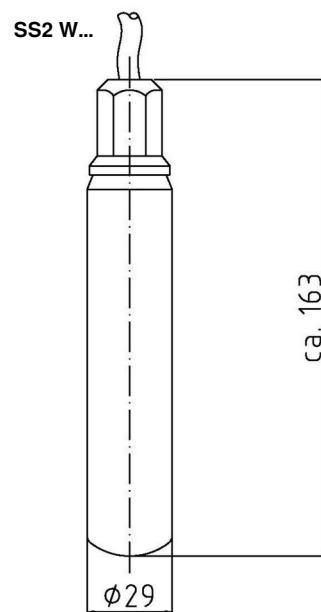
Code	Reference	Specificity
520 810	SS2 / KW5	TPK cable, 5 m
520 815	SS2 / KW10	TPK cable, 10 m
520 832	SS2 / KWA2	TPK cable with PES sheath, acid-resistant, 2 m
520 835	SS2 / KWA5	TPK cable with PES sheath, acid-resistant, 5 m
520 838	SS2 / KWA10	TPK cable with PES sheath, acid-resistant, 10 m
520 844	SS2 / KWH5	PVC cable for lubricating oil, 5 m
520 847	SS2 / KWH10	PVC cable for lubricating oil, 10 m

Other cable lengths: on request.

Accessories:

Code	Reference	Description
520 500	Cable gland BSP 1"	PVC, PG 9
520 512	Cable gland BSP 1/2"	PE, PG 9
520 531	Cable gland BSP 1"	PE, PG 9
520 600	CE 100	PP, counter nut, BSP 1"
520 610	CE 12	PP, counter nut, BSP 1/2"
520 901	Adjustable counterweight 175 g	For cable types W and WH
520 902	Adjustable counterweight 250 g	For cable type WA
520 917	Ring cable fastener	
520 919	Clamp cable fastener	

DIMENSIONS



520 917 Ring cable fastener



520 919 Clamp cable fastener



Cable glands



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