

Float switches NIVOSTOP SS2



SS2 WA



SS2 KW

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

APPLICATIONS

- Limit switch
- Wastewater lifting plants
- Filling / draining
- Chemical containers

DESCRIPTION

NIVOSTOP SS2 float switches are designed for level control in tanks and basins. The cigar-shaped type is for insertion in tank with hole of diameter 30mm, 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, and, on the speed of level changing.

TECHNICAL FEATURES

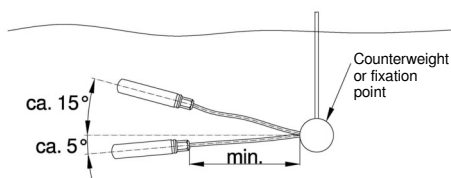
Switching power:	4 V - 250 V AC; 4 - 30 V DC
Switching current:	1 mA ... 3A
Switch:	Microswitch (gold contact), changeover contact, potential-free
Temperature limits:	+1 ... +60 °C
Operating pressure:	0.5 bar as a maximum
Mounting, switching angle:	The float switch is fixed with its cable at one point. The float follows the level and tilts around the fixed point.
Liquid density	
TPK and PES cables:	$\rho \geq 1.0 \text{ kg/dm}^3$
PVC cable (for lubricating oil):	$\rho \geq 0.9 \text{ kg/dm}^3$
Materials	
Float:	Polyethylene (PE-HD)
Cable:	TPK, PVC, PVC oil-resistant, acid-resistant sheathed (PES)
Protection:	IP 68
Chemical resistance of cables	
TPK:	Water; Alkalis and acids of low concentration
PES:	Acid-resistant
PVC:	Lubricating oil

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

NOTE

At a voltages > 50 V, the liquid must be connected to earth.

Operating (example)



CAUTION:
Distance to fixed point, Min.: PVC Cable = 100 mm
Other cable types = 80mm

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Float switches
NIVOSTOP SS2

09-07-2019

D-520.01-EN-AC

LEV

520-01 /1

CODE NUMBERS AND REFERENCES

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

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

Other cable lengths: on request.

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

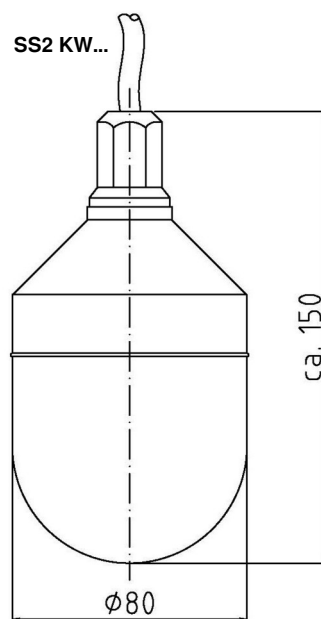
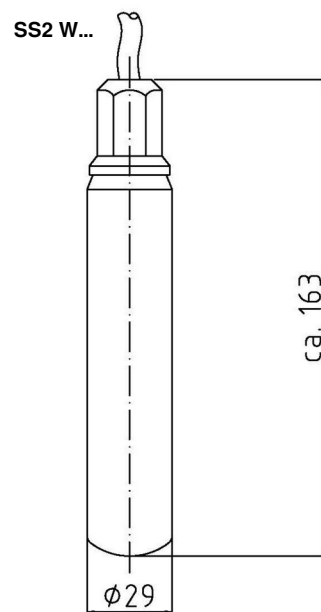
Code	Reference	Specificity
520 810	SS2 / KW5	TPK cable, 5 m
520 815	SS2 / KW10	TPK cable, 10 m
520 832	SS2 / KWA2	TPK cable with PES sheath, acid-resistant, 2 m
520 835	SS2 / KWA5	TPK cable with PES sheath, acid-resistant, 5 m
520 838	SS2 / KWA10	TPK cable with PES sheath, acid-resistant, 10 m
520 844	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
520 510	Cable gland BSP ½"	PVC, PG 9
520 511	Cable gland BSP ½"	PP, PG 9
520 512	Cable gland BSP ½"	PE, PG 9
520 530	Cable gland BSP 1"	Brass, PG 9
520 531	Cable gland BSP 1"	PE, PG 9
520 532	Cable gland BSP 1"	PP, PG 9
520 600	CE 100	PP, Blocking nut, BSP 1"
520 610	CE 12	PP, Blocking nut, BSP ½"
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



520 901 Adjustable counterweight

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