

### KOMBI – Float Switch with integrated Temperature Switch

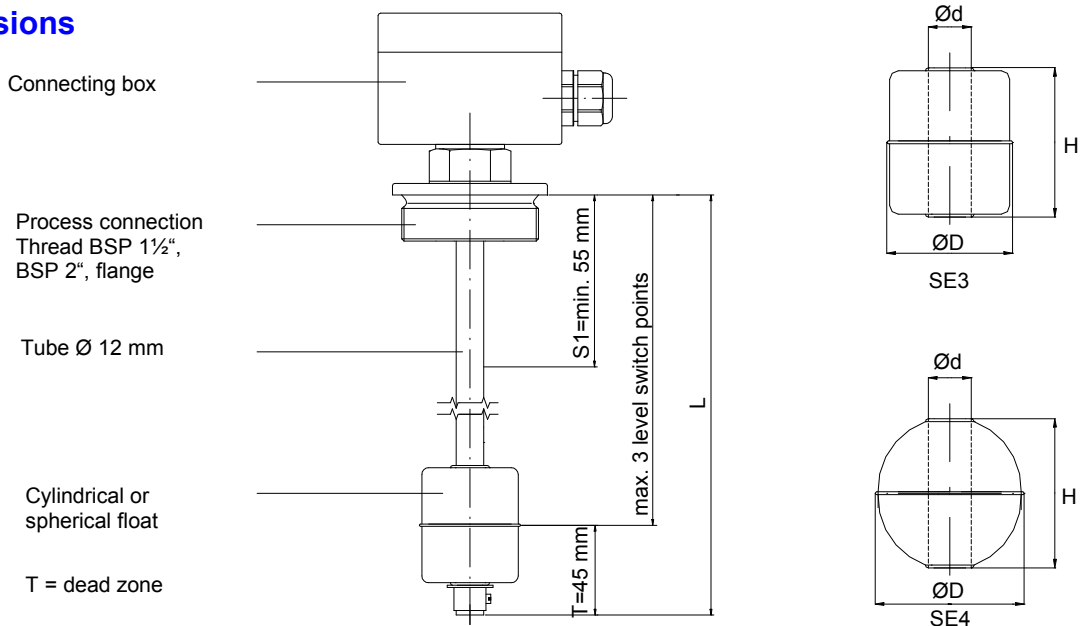
## TN 210

in stainless steel 316Ti

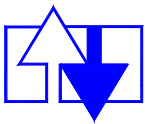
Level Switch Points (max. 3 switch points)			
<b>Max. Power</b>	<b>Opener / Closer:</b>	230 V AC; 100 VA; 1 A AC	
		230 V DC; 50 W; 0,5 A DC	
	<b>Change-over switch:</b>	230 V AC; 40 VA; 1 A AC	
		230 V DC; 20 W; 0,5 A DC	
<b>Switch function</b>	opener / closer / change-over switch with a rising liquid level		
Temperature switch points (max. 2 switch points)			
<b>Max. Power</b>	250 V AC 2,5 A; 60 V DC 1 A; (min. 50 mA)		
<b>Switch function</b>	closer or opener		
<b>Temperature sensor</b>	thermocouple		
<b>Temperature range</b>	+ 50°C up to +150°C, selectable in 5°C - steps		
<b>Measuring accuracy</b>	± 5°C		
<b>Hysteresis</b>	± 20°C		
Technical Data			
<b>Installation position</b>	vertical, ± 30°	<b>Protection</b>	IP 66
<b>Medium density</b>	≥ 750 kg/m <sup>3</sup>	<b>Max. pressure</b>	4,0 MPa
<b>Temperature of medium</b>	-30°C up to +150°C	<b>Tube length L</b>	Standard: up to 6000 mm, > 6000 mm on request
<b>Connecting box</b>	Aluminium 75 x 80 x 57 mm	<b>Process connection</b>	Thread BSP 1½", BSP 2",
	Aluminium 58 x 64 x 36 mm		Flange DN50 PN16,
	Polycarbonate 80 x 82 x 55 mm		other types on request



### Dimensions



Float type	Dimensions			Max. operating pressure (MPa)	Max. operating temperature (°C)	Medium density kg/m <sup>3</sup>	Material
	Ø D (mm)	Ø d (mm)	H (mm)				
SE3 Cylindrical float	44	15	52	1,6	150	≥ 750	316Ti
SE4 Spherical float	52	15	52	4,0	150	≥ 750	316Ti



## Product overview / Order table

### TN 210

#### Connecting box

- A Aluminium case 75 x 80 x 57 mm, IP66
- B Aluminium case 58 x 64 x 36 mm, IP66
- C Polycarbonate case 80 x 82 x 55 mm, IP66

#### Process connections (installation: vertical, ± 30°)

- A Fixing screw thread BSP 1½", 316Ti
- B Fixing screw thread BSP 2", 316Ti
- C Flange DIN 2527, Form B, DN50 PN16, 316Ti
- X Other types on request

#### Tube length L (see dimensioned diagram), Tube in 316Ti

Tube length from sealing face of process connection  
 Tube length  $L \leq 6000$  mm;  $L > 6000$  mm on request  
 Dimensions in mm

#### Float types

- Z SE3 (cylindrical float Ø44 in 316Ti)
- K SE4 (spherical float Ø52 in 316Ti)
- X Other types on request

#### Temperature range

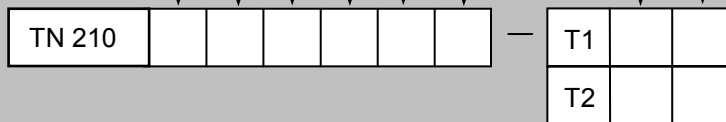
- N -30°C up to +80°C
- H -30°C up to +150°C

#### Switch point number for level limit (max. 3 switch points) (see dimensioned diagram)

Switch function temperature: O Opener  
 S Closer

#### Switch current

Specification of the temperature switch point in °C,  
 selectable in 5°C-steps

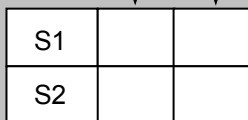


#### Switch function for level (with a rising liquid level)

- O Opener
- S Closer
- U Change-over switch

#### Switch position

Switch position from sealing face of  
 process connection in mm



⋮

**Note!** If you have more than 2 switch points, the min. distance between switch point 2 and switch point 3 is: 80 mm, because for designs with more than two switch points a second float is necessary.

### Distributore esclusivo per l'Italia:

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