

KOMBI - Float Switch with integrated PT100

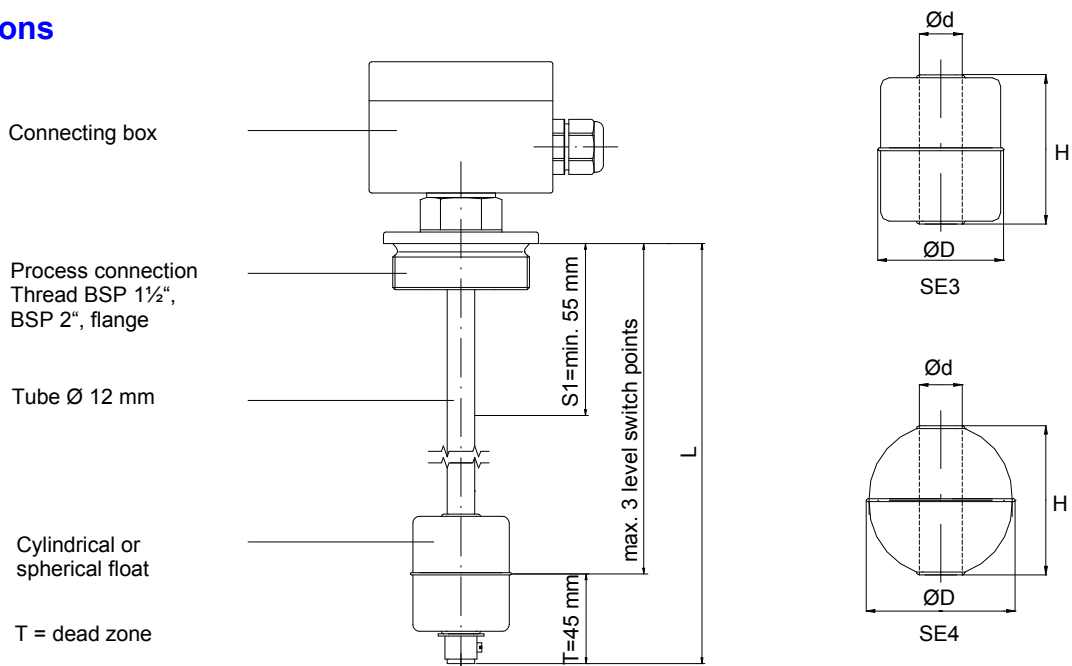
TN 230

in stainless steel 316Ti

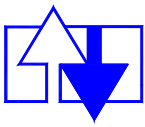
| Level Switch Points (max. 3 switch points) | | |
|--|--|--------------------------|
| Max. power | Opener / Closer: | 230 V AC; 100 VA; 1 A AC |
| | | 230 V DC; 50 W; 0,5 A DC |
| | Change-over switch: | 230 V AC; 40 VA; 1 A AC |
| | | 230 V DC; 20 W; 0,5 A DC |
| Switch function | opener / closer / change-over switch with a rising liquid level | |
| Temperature: PT100, Output: PT100 | | |
| Temperature sensor | PT100 Class B | |
| | DIN IEC 751 | |
| Technical Data | | |
| Installation position | vertical, $\pm 30^\circ$ | |
| Medium density | $\geq 750 \text{ kg/m}^3$ | |
| Medium temperature | -30°C up to $+150^\circ\text{C}$ | |
| Connecting box | Aluminium 75 x 80 x 57 mm | |
| | Aluminium 58 x 64 x 36 mm | |
| | Polycarbonate 80 x 82 x 55 mm | |
| Protection | IP 66 | |
| Max. pressure | 4,0 MPa | |
| Tube length L | Standard: up to 6000 mm, > 6000 mm on request | |
| Process connection | Thread BSP 1½", BSP 2", Flange DN50 PN16, other types on request | |



Dimensions



| Float type | Dimensions | | | Max. operating pressure (MPa) | Max. operating temperature ($^\circ\text{C}$) | Medium density kg/m^3 | 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 230

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, $\pm 30^\circ$)

- A Fixing screw thread BSP 1 1/2", 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 $\varnothing 44$ in 316Ti)
- K SE4 (spherical float $\varnothing 52$ in 316Ti)
- X Other types on request

Temperature range

- N -30°C up to $+80^\circ\text{C}$
- H -30°C up to $+150^\circ\text{C}$

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

| | | | | | | |
|--------|--|--|--|--|--|--|
| TN 230 | | | | | | |
|--------|--|--|--|--|--|--|

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

| | | |
|----|--|--|
| S1 | | |
| S2 | | |

⋮

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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