

Data sheet

Float switch with cable adjustment design 18 in combination with temperature sensor PT100

Type: SSE...18...PT100

Dimensions in mm

View A

Drilling pattern

**Float - through hole

Number of switching points	AB: Min. distance between SPA and SPB	BC: Min. distance between SPB and SPC
2	10	-
3	70	10
3	10	70

Values applicable only for float type S1

Order key

Example: **SS E. 2. A2. B3. 50. 500. 18. S4. PT100**

- Float switch
- Tube E - stainless steel
- 2 - No of contacts (max.3)
- A - switching point A above
- B - switching point B
- C - switching point C
- 1 - closes on level rise
- 2 - opens on level rise
- 3 - closes on level drop
- 4 - opens on level drop
- 5 - change-over contact
- 50 - switching point SPA e.g. 50mm
- 500 - switching point SPB e.g. 500mm
- 18 - design
- S4 - float - see technical data
- PT100 - temperature sensor

Example for terminal diagrams

<p>B5</p>	<p>B1/B3, B2/B4</p>	<p>A5 B5</p>	<p>A1/A3, A2/A4 B1/B3, B2/B4</p>	<p>PT100 2-wire technology</p>	<p>PT100 3-wire technology</p>
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Technical data	
Connection:	terminal connection 1,5mm ² in the housing, cable entry at the housing M16x1,5, housing material alu, colour grey
Mounting:	via housing floor - see drilling pattern
Seal:	material NBR
Tube:	Ø12mm, material stainless steel
Float:	Ø35x40mm, material PP, type S1 Ø44x53mm, material stainless steel, type S4 Ø52mm, material stainless steel, type S7
Reed contacts:	max. 4x n.o. contacts/n.c. contacts or 3x change-over contacts
Contact-adjustment:	via PG- thread in the housing
Temperature sensor:	platinum measuring resistor PT100 acc. DIN 60751 in 2-, 3- and 4-wire technology
Tolerance class:	DIN EN 60751, class B
Nominal resistance:	100 Ohm with 0°C
Temperature coefficient:	3850ppm/K
Switching voltage, current, capacity:	24VDC, 150mA
Pressure:	max. 1bar, for stainless steel float max.25bar
Operating temperature:	-20°C to 80°C in medium; -20°C to 70°C above mounting (with PP) -20°C to 100°C in medium; -20°C to 70°C above mounting (with stainless steel)
Protection rating:	IP 65