

Data sheet

Float switch stainless steel design 10

Type: SSE...10...

Device with temperature sensor or temperature switch combinable,
see also level / temperature measurement technology combined

Dimensions in mm

approx. 113

6

SPA ±2

min. 40

SPB ±2

SPC ±2

ATH*

Min. distance AB**

Min. BC**

X

Ø12

*ATH = Height above medium surface e.g. float S1 = 8mm at density of 0,87g/cm³
X = 41±2 tube brass + float PP S1
X = 51±2 tube brass or stainless steel + float stainless steel S4

Drilling pattern

*Float -diameter -see float-diameter (Ø)

Order key

Example: **SS E. 2. A2. B3. 50. 500. 10. S4**

Float switch

Tube E - stainless steel

No. of contacts (max. 3)

A - contact A (SPA) above
B - contact B (SPB)
(designation with 1 contact)
C - contact C (SPC)

Switching functions:
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 A e.g. SPA2 = 50mm

500 - switching point B e.g. SPB3 = 500mm

10 - design

S4 - float - see technical data

** Table of distances between the switching points

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

Examples for terminal diagrams

1 x change-over cont.
e.g. Order key:
SSE.1.B5.180.10.S4

1 x n.o. contact/
n.c. contact
e.g. Order key:
SSE.1.B1.80.10.S4

2 x change-over contacts
e.g. Order key:
SSE.2.A5.B5.100.250.10.S4

2 x n.o. contacts/n.c. contacts
e.g. Order key:
SSE.2.A2.B3.60.200.10.S4

3 x change-over contact
e.g. Order key:
SSE.3.A5.B5.C5.110.370.850.10.S4

3 x n.o. contacts/n.c. contacts
e.g. Order key:
SSE.3.A4.B2.C1.90.270.1020.10.S4

Technical data

Connection: plug-type connector 7-pole + PE connector according to DIN EN 175201-804 (DIN 43651), material PA,

Mounting: oval flange 80x50mm, material PA

Seal: material NBR

Tube: Ø12mm, material stainless steel

Float: Ø35x40mm, material PP, type S1
Ø45x52mm, material stainless steel 1.4571, type S4

Switching points: reed contacts, max. 3x n.o. contact/n.c. contact or change-over contact, further reed contacts on demand

Switching voltage, current, capacity: 230 VAC, 1A, 60VA

Pressure: max. 1 bar, with stainless steel float max. 25bar

Operating temperature: -20°C to 100°C in medium; (-20°C bis 80°C in medium (with PP float))
-20°C to 70°C above mounting (with stainless steel float)

Protection rating: IP 65