

Data sheet

Float switch stainless steel design 10 in combination with temperature switch

Type: SSE...10...T

Dimensions in mm

Drilling pattern

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

| 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 |

** Table for distances between the switching points
Values applicable only for float type S1

Order key

Example : **SS E. 2. A2. B3. 50. 500. 10. S4. T600**

- Float switch
- Tube E - stainless steel
- No of switching points (max. 3)
- A - switching point A (SPA) above
- B - switching point B (SPB)
- (designation with 1 contact)
- C - switching point 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

T..O - temperature switch n.c. Contact
example: T600 = switching point 60°C

Examples for terminal diagrams

2x change-over contact+temp. switch n.c. contact
e.g. Order key:
SSE.2.A5.B5.100.250.10.S4.T600

2x n.o. contacts/n.c. Contacts+
temp. switch n.c. contact
e.g. Order key: SSE.2.A2.B3.60.200.10.S4.T600

3xn.o. contacts/n.c. contacts+temp. sw. n.c. contact
e.g. Order key:
SSE.3.A4.B2.C1.90.270.1020.10.S4.T600

Technical data

| | |
|---------------------------------------|--|
| Connection: | plug-type connector 7-pole + PE acc. 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.o. contact or 2x change-over contact, further reed contacts on demand |
| Temperature switch: | max. 2x temperature switch; technic: bimetal; switching function: n.c. contact temp.-range: 60°-140°C precision: ±5°C, smaller tolerances on request reset-temperature: temp.-switching point - 30°C±15°C |
| 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 to 70°C above mounting (with stainless steel float) -20°C to 80°C in medium; -20°C to 70°C above mounting (with PP float) |
| Protection rating: | IP 65 |

Data sheet

Float switch brass design 10 in combination with temperature switch

Type: SSM...10...T

Dimensions in mm

approx. 113

6

min. 40

ATH

SPA ±2

min. 40

SPB ±2

SPC ±2

Min. distance AB**

Min. distance BC**

X

Ø12

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

Drilling pattern

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

Order key

Example: **SS M. 2. A2. B3. 50. 500. 10. S1. T600**

Float switch

Tube M - brass

No. of contacts (max. 3)

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

S1 - float - see technical data

T..O - temperature switch n.c. contact
Example: T600 = switching point 60°C

| 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

2x change-over contact + temp. switch n.c. contact
e.g. Order key:
SSM.2.A5.B5.100.250.10.S1.T600

2x n.o. contact/n.c. contact + t.switch n.c. contact
e.g. Order key:
SSM.2.A2.B3.60.200.10.S1.T600

2x n.o. contacts/n.c. contacts + 2x t.sw. n.c. contact
e.g. Order key:
SSM.2.A2.B3.60.200.10.S1.T600

3x n.o. contacts/n.c. contacts + t.switch n.c. contact
e.g. Order key:
SSM.3.A4.B2.C1.90.270.1020.10.S1.T600

Technical data

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

Mounting: oval-flange 80x50mm, material PA

Seal: material NBR

Tube: Ø12mm, material brass

Float: Ø35x40mm, material PP, type S1
Ø40x40mm, material PP, type S2
Ø40x30mm, material PP, type S3
Ø45x52mm, material stainless steel 1.4571, type S4

Switching points: reed contacts, max. 3x n.o. contacts/n.c. contacts or 2x change-over contacts, further reed contacts on demand

Temperature switch: max. 2x temperature switch; technics: bi-metal; switching function: n.c. contact
temp.-range: 60°-140°C
precision: ±5°C, smaller tolerances on request
reset-temperature: temp.-switching point - 30°C±15°C

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

Pressure: atmospheric

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

Protection rating: IP 65