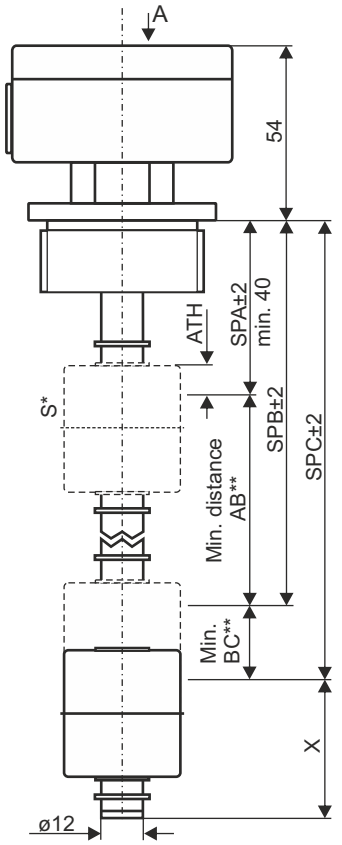
Data sheet
Float switch stainless steel design 7
in combination with temperature switch
Type: SSE...7...T...



** Table for distance between the switching points

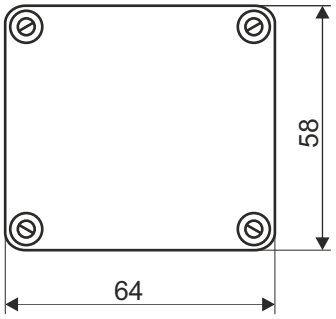
Number of switching points	AB: Min. distance between SPA and SPB	BC: Min. distance between SPB and SPC
2	10	-
3	70	10
3	10	70

Values applicable only for float type S1

Dimisions in mm

ATH	Height above medium surface e.g. float S4 = **12mm** at density 0,997g/cm³
*S	for more than 2 switching points, additional floats
X	41±2 tube + float PP
X	51±2 tube + float stainless steel

View A



Order key

Example for 2 switching points: **SS E. 2. A2. B3. 150. 500. 7. S4. T70O**

Float switch SS

Tube E - stainless steel

2 - No. of switching points (max. 3)

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

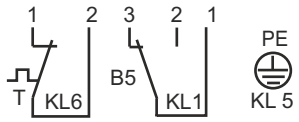
50 - switching point A e.g. SPA2 = 150mm
500 - switching point B e.g. SPB3 = 500mm

7 - design

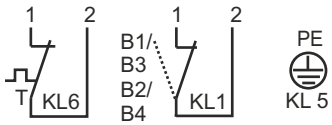
S4 - float type - see technical data

T...O - temperature switch n.c. contact
T...S - temperature switch n.o. contact
e.g.: T70O - n.c. contact 70°C

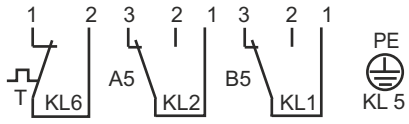
Examples for terminal diagrams



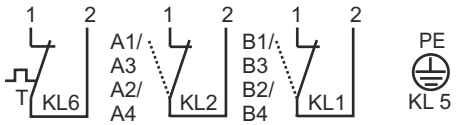
1x change-over contact
e.g. Order key:
SSE.1.B5.80.7.S1.T50O



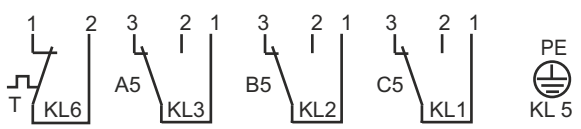
1x n.o. contact/n.c. contact
e.g. Order key:
SSE.1.B1.80.7.S1.T50O



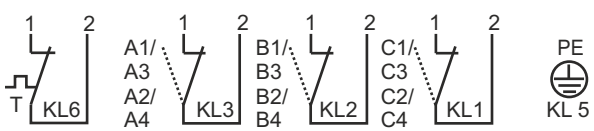
2x change-over contacts
e.g. Order key:
SSE.2.A5.B5.50.85.7.S1.T50O



2x n.o. contacts/n.c. contacts
e.g. Order key:
SSE.2.A2.B3.60.90.7.S4.T50O



3x change-over contacts
e.g. Order key:
SSE.3.A5.B5.C5.110.370.850.7.S2.T50O



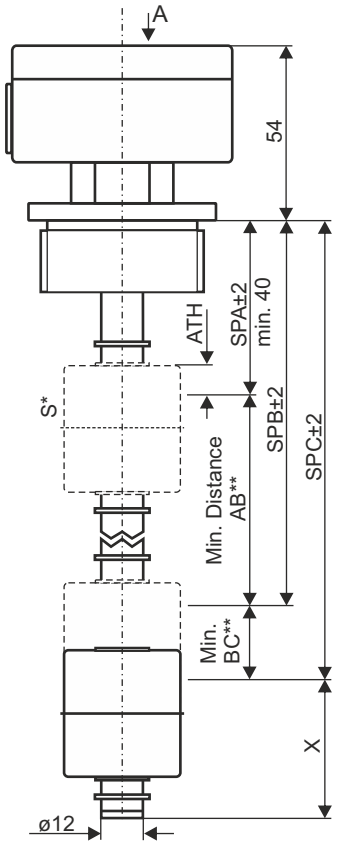
3x n.o. contacts/n.c. contacts
e.g. Order key:
SSE.3.A4.B2.C1.90.270.1020.7.S2.T50O

Data sheet
Float switch stainless steel design 7
in combination with temperature switch
Type: SSE...7...T...

Techincal data

Connection:	terminal connection 1.5 mm² in the housing, cable entry at the housing M16x1.5, material alu, colour grey
Mounting:	11/2” thread, material stainless steel 1.4571
Tube:	ø12mm, material stainless steel 1.4571
Float:	S1: material PP, ø35x40mm, S4: material stainless steel 1.4571 ø45x52mm;
Switching points:	reed contacts, max. 3x n.o. contacts/n.c. contacts or change-over contact, further reed contacts on demand
Temperature switch:	bimetal, switching function: n.o. contact/n.c. contact temperature range: 60°C to 140°C precision: ±5°C, smaller tolerance on request reset-temperature: temp.-switching point -30°C ±15°C
Switching voltage:	max. 230 VAC
Switching current:	1A
Switching capacity:	60VA
Pressure:	max. 1 bar, with stainless steel float max. 25bar
Operating temperature:	-20°C to 80°C in medium, -20°C to 70°C above mounting (with PP float) -20°C to 100°C in medium, -20°C to 70°C above mounting (with stainless steel float)
Protection rating:	IP 65

Data sheet
Float switch brass design 7
in combination with temperature switch
Type: SSM...7...T...



** Table for distances between the switching points

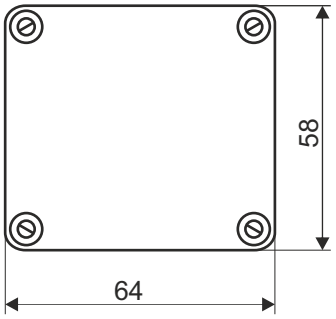
Number of switching points	AB: Min. distance between SPA and SPB	BC: Min. distance between SPB and SPC
2	10	-
3	70	10
3	10	70

Values applicable only for float type S1

Dimensions in mm

ATH	Height above medium surface e.g. float S1 = **8mm** at density of 0,87g/cm³
*S	For more than 2 switching points, additional floats
X	41±2 tube + float PP
X	51±2 tube + float stainless steel

View A



Order key

Example for 2 switching points: **SS M. 2. A2. B3. 150. 500. 7. S1. T70O**

Float switch SS

Tube M - brass

2 - No. of switching points (max. 3)

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

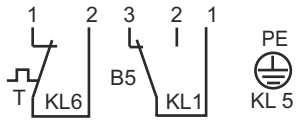
50 - switching point A e.g. SPA2 = 150mm
500 - switching point B e.g. SPB3 = 500mm

7 - design

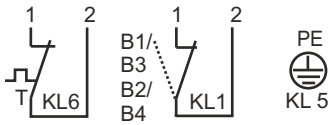
S1 - float type - see technical data

T...O - temperature switch n.c. contact
T...S - temperature switch n.o. contact
Example: T70O - n.o. contact 70°C

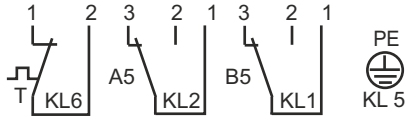
Examples for terminal diagrams



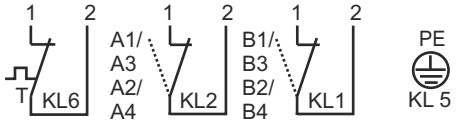
1x change-over contact
e.g. Order key:
SSM.1.B5.80.7.S1.T50O



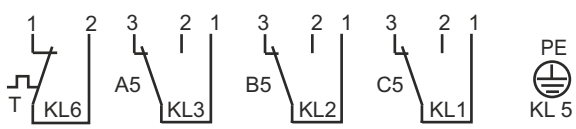
1x n.o. contact/n.c. contact
e.g. Order key:
SSM.1.B1.80.7.S1.T50O



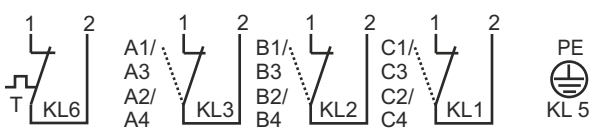
2x change-over contacts
e.g. Order key:
SSM.2.A5.B5.50.85.7.S1.T50O



2x n.o. contacts/n.c. contacts
e.g. Order key:
SSM.2.A2.B3.60.90.7.S1.T50O



3x change-over contacts
e.g. Order key:
SSM.3.A5.B5.C5.110.370.850.7.S1.T50O



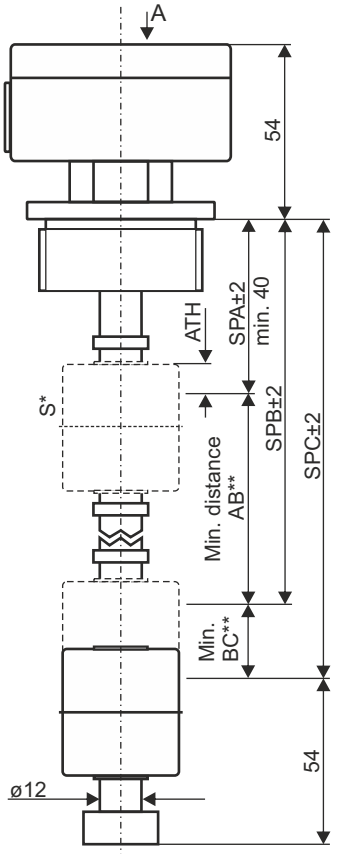
3x n.o. contacts/n.c. contacts
e.g. Order key:
SSM.3.A4.B2.C1.90.270.1020.7.S1.T50O

Data sheet
Float switch brass design 7
in combination with temperature switch
Type: SSM...7...T...

Technical data

Connection:	terminal connection 1.5 mm² in the housing, cable entry at the housing M16x1.5, material alu, colour grey
Mounting:	11/2” thread, material alu
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. contact/n.c. contact or change-over contact, further reed contacts on demand
Temperature switch:	bi-metal, switching function: n.o. contact/n.c. contact temperature range: 60°C to 140°C precision: ±5°C, smaller tolerances on request reset-temperature: temp.-switching point -30°C ±15°C
Switching voltage:	max. 230 VAC
Switching current:	1A
Switching capacity:	60VA
Pressure:	max. 1 bar
Operating temperature:	-20°C to 80°C in medium, -20°C to 70°C above mounting
Protection rating:	IP 65

Data sheet
Float switch plastic design 7
in combination with temperature switch
Type: SS...7...T...



** Table for distances between the switching points

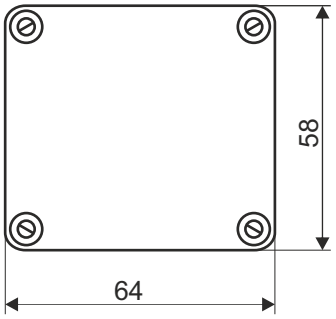
Number of switching points	AB: Min. distance between SPA and SPB	BC: Min. distance between SPB and SPC
2	10	-
3	70	10
3	10	70

Values applicable only for float type S1

Dimensions in mm

ATH	Height above medium surface for float type e.g float S1 = **8mm** at density of 0,87g/cm³
*S	For more than 2 switching points, additional floats

View A



Order key

Example for 2 switching points: **SS P. 2. A2. B3. 150. 500. 7. S1. T70O**

Float switch SS

Tube P - PVC
PP - Polypropylene

2 - No of contacts (max. 3)

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

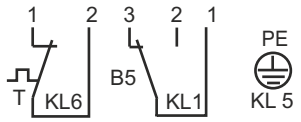
50 - switching point A e.g. SPA2 = 150mm
500 - switching point B e.g. SPB3 = 500mm

7 - design

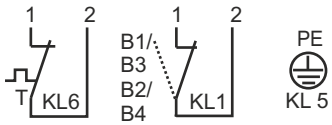
S1 - float type - see techn. data

T...O - temperature switch n.c. contact
T...S - temperature switch n.o. contact
Example: T70O - n.c. contact 70°C

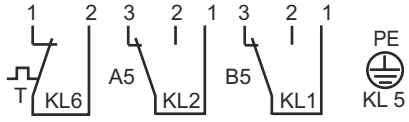
Examples for terminal diagrams



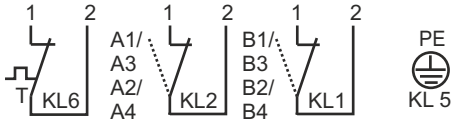
1x change-over contact
e.g. Order key:
SSP.1.B5.80.7.S1.T50O



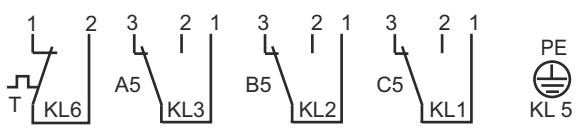
1x n.o. contact/n.c. contact
e.g. Order key:
SSP.1.B1.80.7.S1.T50O



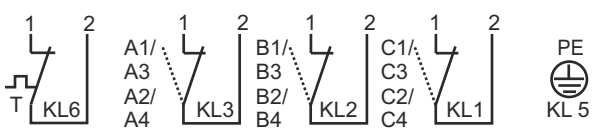
2x change-over contacts
e.g. Order key:
SSP.2.A5.B5.50.85.7.S1.T50O



2x n.o. contacts/n.c. Contacts
e.g. Order key:
SSP.2.A2.B3.60.90.7.S1.T50O



3x change-over contacts
e.g. Order key:
SSP.3.A5.B5.C5.110.370.850.7.S1.T50O



3x n.o. contacts/n.c. contacts
e.g. Order key:
SSP.3.A4.B2.C1.90.270.1020.7.S1.T50O

Data sheet
Float switch plastic design 7
in combination with temperature switch
Type: SS...7...T...

Technical data

Connection:	terminal connection 1.5mm² in the housing, cable entry at the housing M16x1.5, material alu, colour grey
Mounting:	11/2” thread, material as tube (PP, PVC)
Tube:	ø12mm, material acc. to customer specification PP or PVC
Float:	S1: material PP, ø35x40mm, S2: material PP, ø40x40mm, S3: material PP, ø40x30mm
Switching points:	reed contacts, max. 3x n.o. contacts/n.c. contacts or change-over contact, further reed contacts on demand
Temperature switch:	bi-metal, switching function: n.o. contact/n.c. contact temperature range: 60°C to 80°C, further on request precision: ±5°C, smaller tolerances on request reset-temperature: temp.-switching point -30°C ±15°C
Switching voltage:	max. 230 VAC
Switching current:	1A
Switching capacity:	60VA
Pressure:	max. 1 bar
Operating temperature:	-20°C to 80°C in medium, -20°C to 70°C above mounting (with PP) -20°C to 60°C in medium, -20°C to 60°C above mounting (with PVC)
Protection rating:	IP 65