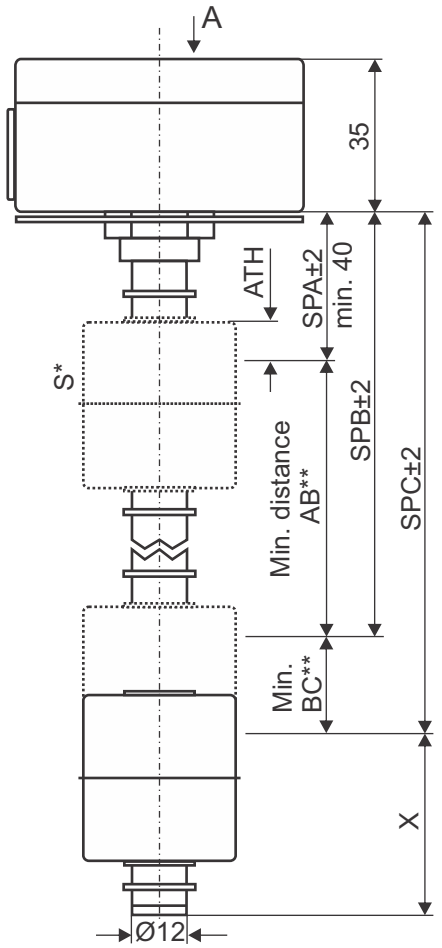
Data sheet
Float switch brass design 1
in combination with temperature sensor PT100
Type: SSM...1...PT100

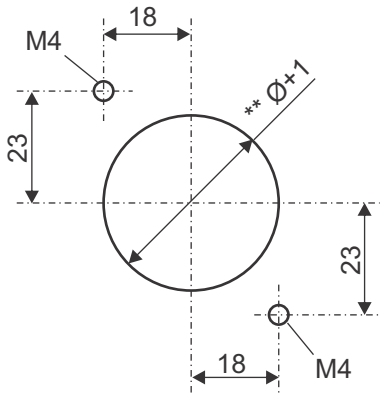


** Table for distances between the switching points

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

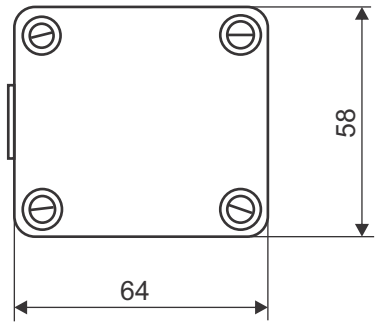
Values applicable only for float type S1

Drilling pattern



**Float -through hole

View A



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 stainless steel + float PP
X	51±2 tube stainless steel + float stainless steel

Order key

Exampel for 2 switching points: **SS M. 2. A2. B3. 50. 500. 1. S1. PT100**

Float switch SS

Tube M - brass

2 - No of contacts (max. 3)

A - switching points A above
B - switching points B
(designation with 1 contact)
C - switching point C
Functions:
1 - closes on level rise
2 - opens on level rise
3 - closes on level drop
4 - closes on level drop
5 - change-over contact

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

1 - design

S1 - float type - see technical data

PT100 - temperature sensor

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Subject to change
Dimensions in mm

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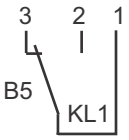
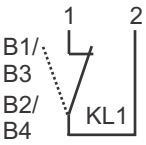
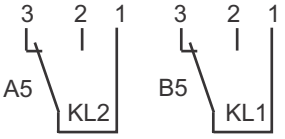
Example for terminal diagrams



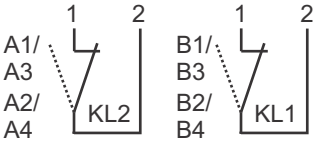
1x change-over contact + temperature sensor
example order key:
SSM.1.B5.80.1.S1.PT100



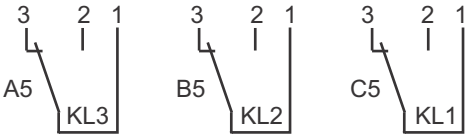
1x n.o. contact/n.c. contact + temperature sensor
example order key:
SSM.1.B1.80.1.S1.PT100



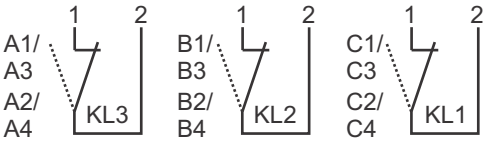
2x change-over contacts + temperature sensor
example order key:
SSM.2.A5.B5.50.85.1.S1.PT100



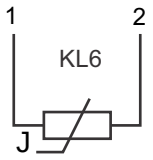
2x n.o. contacts/n.c. contacts + temperature sensor
example order key:
SSM.2.A2.B3.60.90.1.S1.PT100



3x change-over contacts + temperature sensor
example order key:
SSM.3.A5.B5.C5.110.370.850.1.S1.PT100

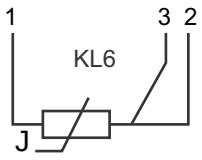


3x n.o. contacts/n.c. contacts + temperature sensor
example order key:
SSM.3.A4.B2.C1.90.270.1020.1.S1.PT100



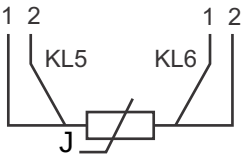
PT100
2-wire technology

Or



PT100
3-wire technology

Or



PT100
4-wire technology

Technical data

Connection:	terminal connection 1,5mm² 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 brass
Float:	Ø35x40mm, material PP, type S1 Ø40x40mm, material PP, type S2 Ø40x27mm, material PP, type S3 Ø44x53mm, material stainless steel 1.4571, type S4
Level switching points:	reed contacts: max. 3x n.o. contact/n.c. contact or change-over contact further reed contacts on request
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 at 0°C
Temperature coefficient:	3850ppm/K
Switching voltage, current, capacity:	24VDC, 150mA
Pressure:	max. 1 bar
Operating temperature:	-20°C to 80°C in medium, -20°C to 70°C above mounting
Protection rating:	IP 65

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