Data sheet
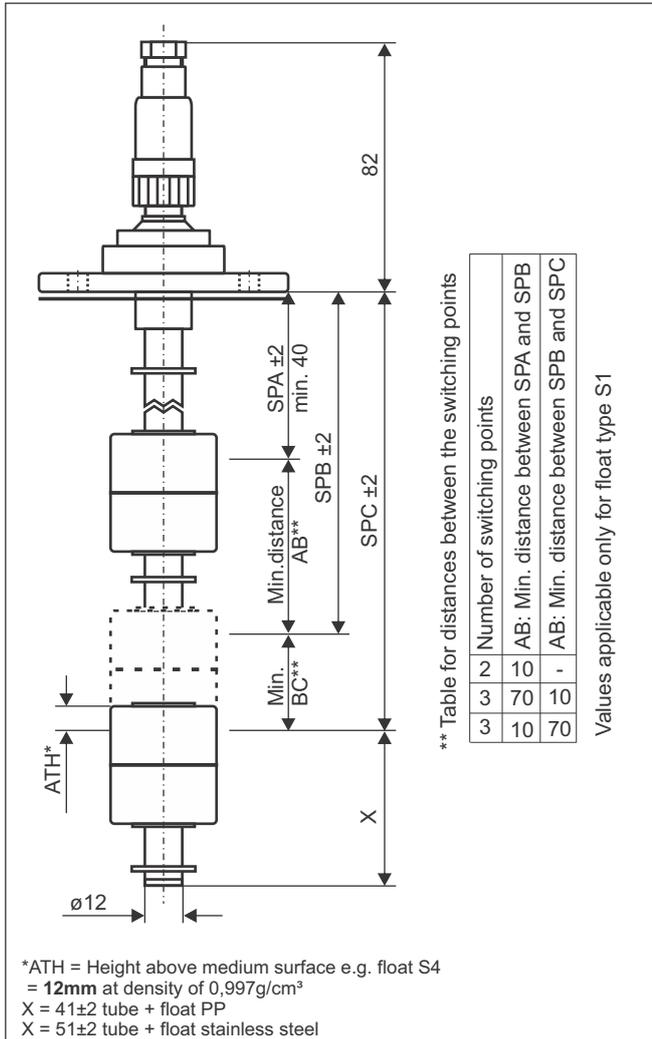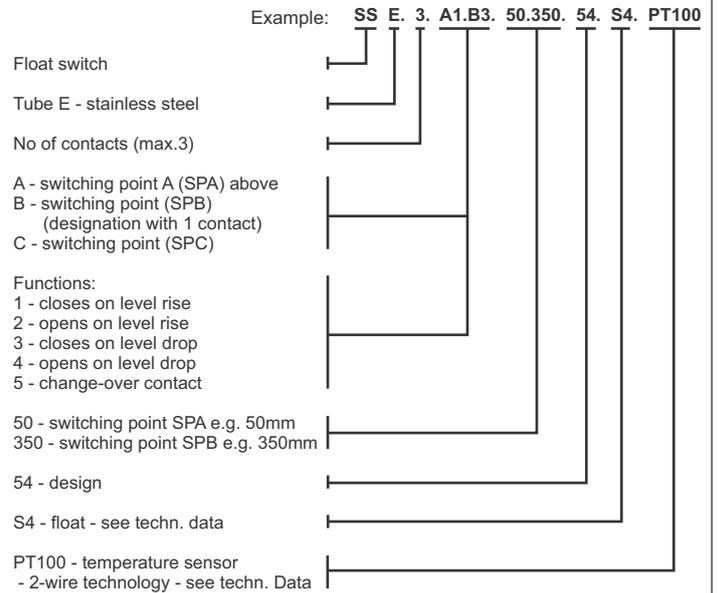# Float switch stainless steel design 54
in combination with temperatur sensor PT100
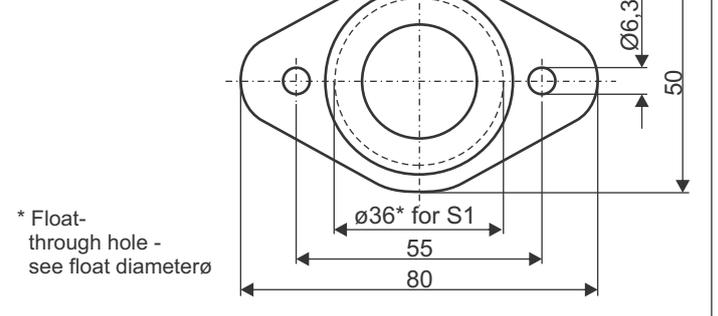# Type: SSE...54...PT100

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*ATH = Height above medium surface e.g. float S4
 = **12mm** at density of 0,997g/cm³
X = 41±2 tube + float PP
X = 51±2 tube + float stainless steel

Order key

Example: **SS E. 3. A1.B3. 50.350. 54. S4. PT100**

Float switch

Tube E - stainless steel

No of contacts (max.3)

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

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 SPA e.g. 50mm
350 - switching point SPB e.g. 350mm

54 - design

S4 - float - see techn. data

PT100 - temperature sensor
 - 2-wire technology - see techn. Data

** Table for distances between the switching points

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

Values applicable only for float type S1

View A

* Float-
   through hole -
   see float diameterø

ø36* for S1
55
80
ø6,3
50

Technical data

|	
Connection:	plug-type connector M12x1 4- or 5-pole see terminal diagrams, material PA
Mounting:	oval-flange 80x50mm, material PA
Seal:	material NBR
Tube:	ø12mm, material stainless steel 1.4571
Float:	ø35x40mm, material PP, type S1
	ø44x53mm, material stainless steel 1.4571, type S4
Level-switching points:	reed contacts, max.2x n.o. contacts/n.c. contacts; max. 1x change-over contact
Switching voltage, current, capacity:	24VDC, 150mA
Temperature sensor:	platinum resistor PT100 according 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
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
Protection rating:	IP 65

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Subject to change
Dimensions in mm

Data sheet
Float switch stainless steel design 54
in combination with temperatur sensor PT100
Type: SSE...54...PT100

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Terminal diagrams

Level
2x n.o. contacts/n.c. contacts
and
2-wire technology

A1/
A3;
A2/
A4

B1/
B3;
B2/
B4

PT100
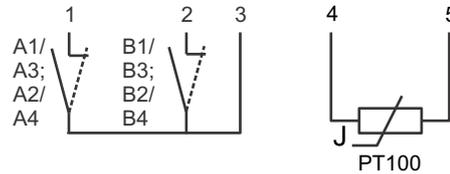
Level
1x n.o. contact/n.c. contact
and
2-wire technology
3-wire technology

B1/
B3;
B2/
B4

PT100

Oder

PT100/ 3-wire
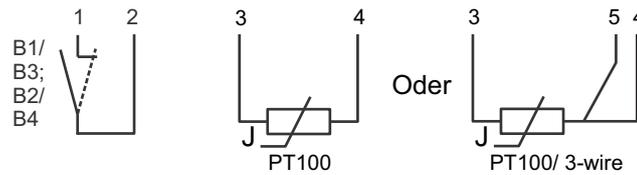
Level
1x change-over contacts
and
2-wire technology

A5

PT100

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Subject to change
Dimensions in mm