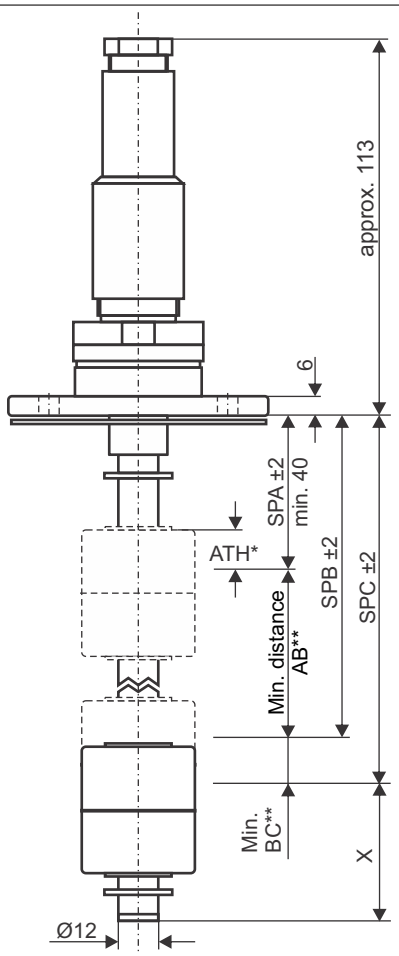
# Data sheet
# Float switch brass design 10
# in combination with temperature sensor PT100
# Type: SSM...10...PT100

Dimensions in mm



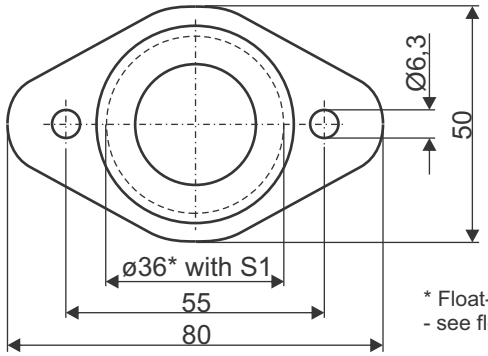

** Table for distances between the switching points

| 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

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

## View A




* Float-through hole
- see float diameter ø

## Order key

Example: **SS M. 2. A1.B3. 50.350. 10. S1. PT100**

Float switch

Tube M - brass

No of contacts (max.3)

A - switching point A (SPA)
B - switching point B (SPB) above
(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 SPA e.g. 50mm
350 - switching point SPB e.g. 350mm

10 - design

S1 - float - see techn. data

PT100 - temperature sensor
- see techn. data

## Technical data

| | |
|---|---|
| Connection: | plug-type connector 7-pole + PE acc. to DIN EN 175201-804, material PA |
| Mounting: | oval-flange 80x50mm, material PA |
| Seal: | material NBR |
| Tube: | ø12mm, material brass |
| Float: | ø35x40mm, material PP, type S1<br>ø40x40mm, material PP, type S2<br>ø40x27mm, material PP, type S3<br>ø44x53mm, material stainless steel 1.4571, type S4 |
| Level-switching points: | reed contacts, max.3 x n.o. contacts/n.c. contacts; max.<br>2 x change-over contacts, further reed contacts on demand |
| Switching voltage, current, capacity: | 230VAC, 1A, 60VA |
| Temperature sensor: | platinum resistor PT100 acc. to 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: | atmospheric |
| Operating temperature: | -20°C to 80°C in medium, -20°C to 70°C above mounting |
| Protection rating: | IP 65 |

**Hotline +49 (0)7389 90920 - eMail info@engler-msr.de**

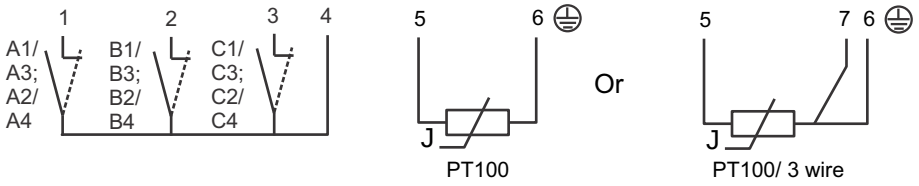


*Subject to change*
*Dimensions in mm*

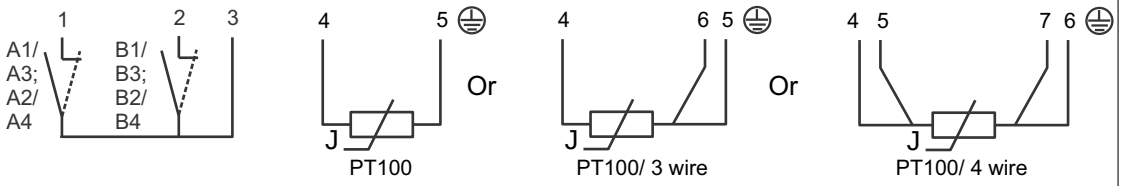
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## Terminal diagrams

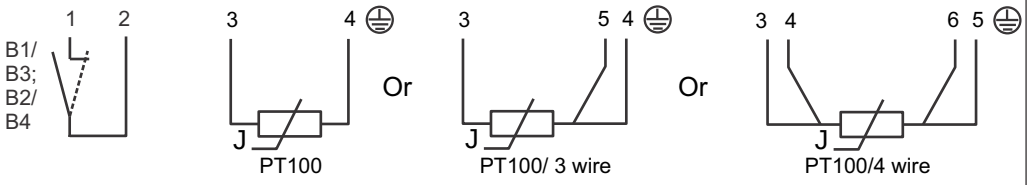
Level
3x n.o. contacts/n.c. contacts
and
2-wire technology,
3-wire technology



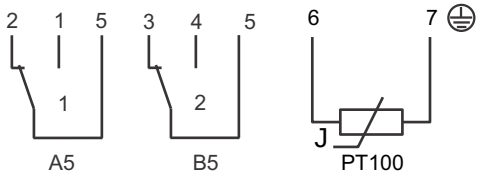

Level
2x n.o. contacts/
n.c. contacts and
2-wire technology,
3-wire technology,
4-wire technology




Level
1x n.o. contacts/n.c. contacts
and
2-wire technology,
3-wire technology,
4-wire technology




Level
2x change-over contacts
and
2-wire technology




Level
1x change-over contact
and
2-wire technology,
3-wire technology,
4-wire technology

