

Data sheet

Float switch brass design 10 in combination with temperature sensor PT100

Type: SSM...10...PT100

Dimensions in mm

View A

* Float-through hole - see float diameter ø

Order key

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

Float switch	SS
Tube M - brass	M.
No of contacts (max.3)	2.
A - switching point A (SPA)	A1.
B - switching point B (SPB) above (designation with 1 contact)	B3.
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	50.
350 - switching point SPB e.g. 350mm	350.
10 - design	10.
S1 - float - see techn. data	S1.
PT100 - temperature sensor - see techn. data	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	70
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

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 ø40x40mm, material PP, type S2 ø40x27mm, material PP, type S3 ø44x53mm, material stainless steel 1.4571, type S4
Level-switching points:	reed contacts, max.3 x n.o. contacts/n.c. contacts; max. 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

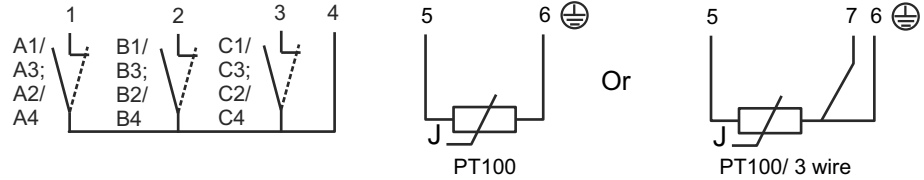
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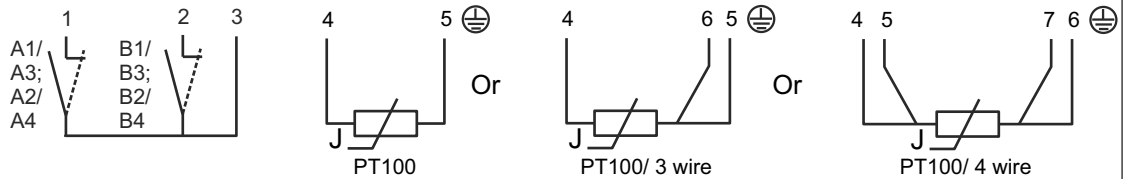
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Terminal diagrams

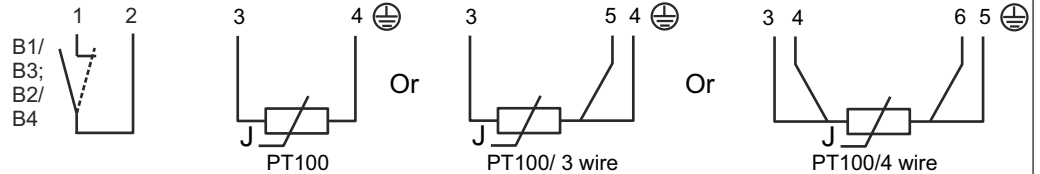
Level
3x n.o. contacts/n.c. contacts
and
2-wire technology,
3-wire technology



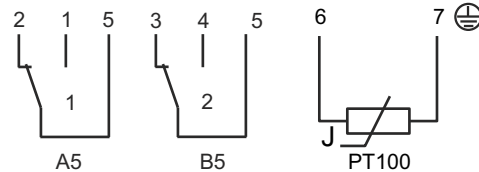
Level
2x n.o. contacts/
n.c. contacts and
2-wire technology,
3-wire technology,
4-wire technology



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

