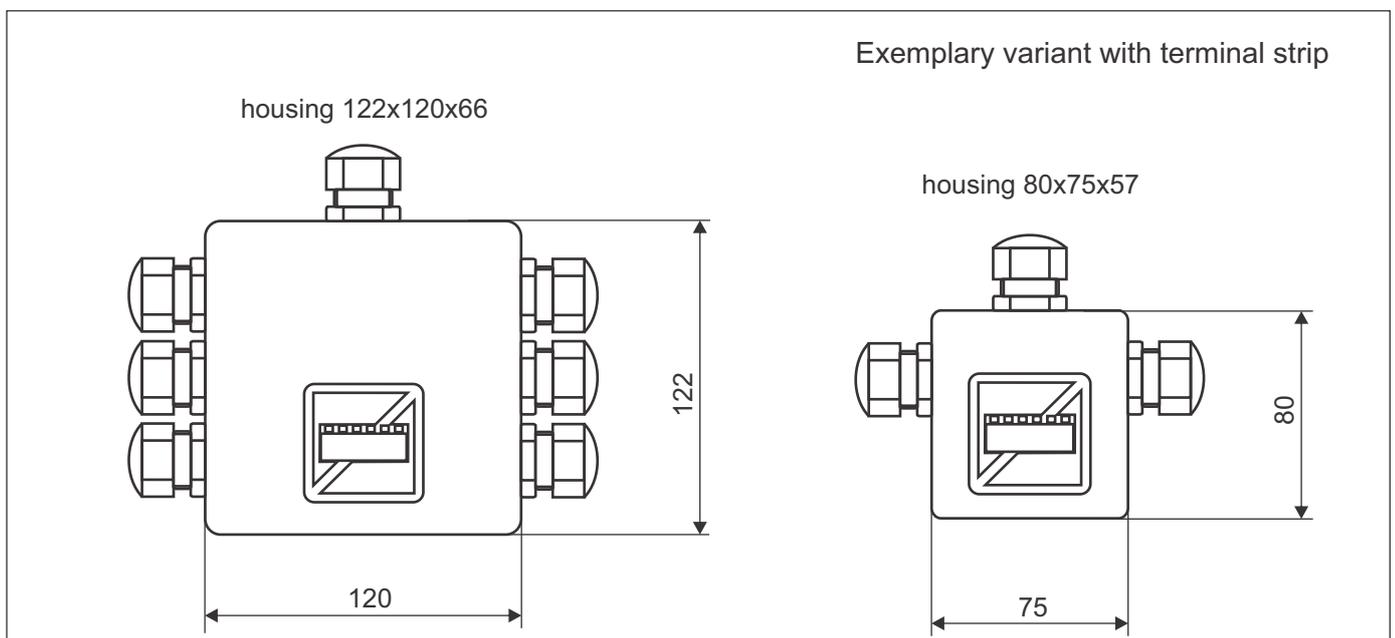
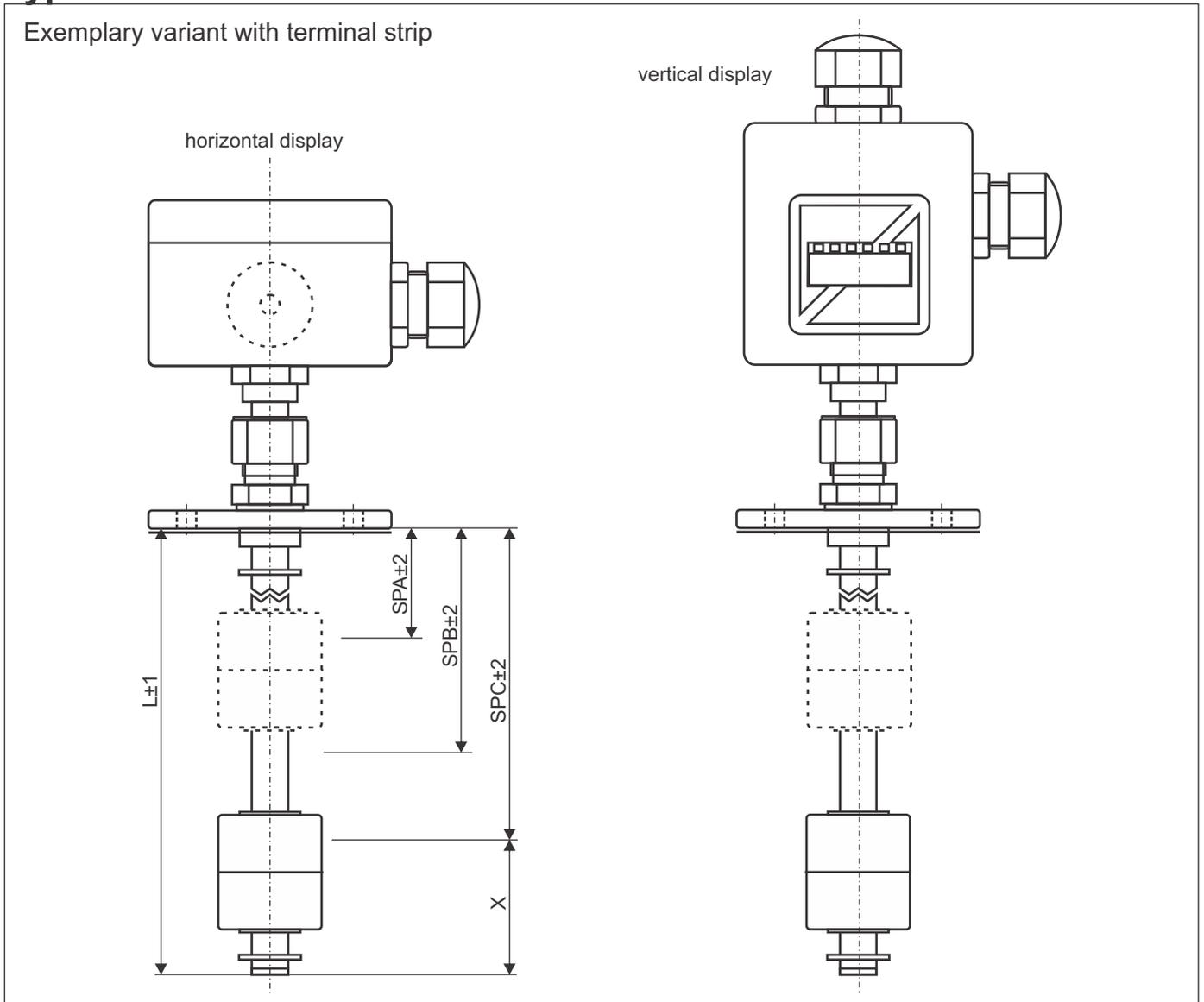


Data sheet

Adjustable temperature switch / controller with actual value display and level measurement

Type: UTS-2...



Data sheet

Adjustable temperature switch / controller with actual value display and level measurement

Type: UTS-2...

Order key	UTS - 2.	2.	SI19.	GH12.	E.	AS26x2.	BE04.	RH01.	A1=....	SW52	
<p>Temperature channels: up to 6 possible</p> <p>optional Analogue output temperature SI19 = universal U/I *1</p> <p>Housing: GH12 = 80x75x57 horizontal GH13 = 80x75x57 vertical GH14 = 122x120x66 horizontal GH15 = 122x120x66 vertical</p> <p>optional: E1 - Execution: sensor detached, cable: 1.5m</p> <p>Connection: AS01 = M12x1 4-polig AS26 = Klemmleiste / M20 Kabelver. AS19 = Klemmleiste / M16 Kabelver. AS08 = 3-polig DIN Ventilstecker x2 = Anzahl der Anschlüsse 120er Gehäuse max.7 80er Gehäuse max.3</p> <p>Process connection: see table 1 BE04 = 1/2" alu BE15 = 1/2" stainless steel BE35 = 1/2" brass adjustable BE05 = 3/4" alu BE51 = 1" alu BE49 = 1" stainless steel BE02 = M20x1,5 alu BE53 = M22x1,5 alu BE54 = M24x1,5 alu BE21 = flange 80x50 PA adjustable BE50 = flange OD90 PDC73 alu BE01 = via housing floor</p> <p>Tube: see table 1 RH01 = ø8mm brass RH02 = ø8mm stainless steel RH03 = ø12mm brass RH09 = ø12mm stainless steel</p> <p>Level: <u>Switching point:</u> Designation of switching points A to E! (at 1 switching point designation B) max. 5 switching points possible 1-closes on level rise 2-opens on level rise 3-closes on level drop 4-opens on level drop 5-change over contact Switching point length in mm</p> <p><u>Continuous level measurement</u> only with 120 housing AL01 = 2.5mm AL03 = 5mm AL04 = 10mm installation depth L in mm</p> <p>Float: see table 2 SW52 = float S52 SW12 = float S12 SW04 = float S4 SW01 = float S1</p>									AL01.		
											switching point or reed chain
									...A1=50.B2=100....		
									...AL01=500....		

Data sheet

Adjustable temperature switch / controller with actual value display and level measurement

Type: UTS-2...

Table 1	Process connection BExx see page 5-8												Resolution ALxx		
Tube RHxx	BE04	BE15	BE35	BE05	BE02	BE53	BE54	BE21	BE01	BE50	BE51	BE49	AL01	AL03	AL04
RH01	✓	–	✓	✓	✓	✓	✓	–	✓	–	✓	–	–	✓	–
RH02	–	✓	–	–	–	–	–	–	✓	–	–	✓	–	✓	–
RH03	✓	–	–	–	–	–	–	✓	✓	✓	–	–	✓	✓	✓
RH09	–	✓	–	–	–	–	–	–	✓	–	–	–	✓	✓	✓

Table 2	Process connection BExx see page 5-8											
Float SWxx	BE04	BE15	BE35	BE05	BE02	BE53	BE54	BE21	BE01	BE50	BE51	BE49
SW52	✓	✓	✓	✓	✓	✓	✓	–	✓	–	✓	✓
SW12	–	–	–	–	–	–	–	–	✓	–	–	✓
SW04	–	–	–	–	–	–	–	–	✓	–	–	–
SW01	–	–	–	–	–	–	–	✓	✓	✓	–	–

More variants and material on request possible

Technical data

Housing:	alu housing 122x120x66 mm (hxwxd) or alu housing 80x75x57 mm (hxwxd)
Connection:	spring-loaded clamp with cable gland clamp-Ø 6-13mm, or cable gland clamp-Ø 3-10mm M12x1 4-pol connector a-coded, valve connector 3-pole + PE DIN EN 175301-803 (DIN 43650)
Display:	7 segment display, red, 4 digits, 7.26mm,
Process connection:	see order key
Tube:	Ø8 or Ø12mm, material brass or stainless steel
Float:	Ø35x40mm, material PP, type S1, Ø17,8x32mm, material NBR, type S52 Ø27x31mm, material stainless steel, type S12 Ø45x52mm, material stainless steel, type S4
Temp. switching point:	at 120er housing max.6 channels + 1 analogue ^{*1,2} at 80er housing max.2 channels + 1 analogue ^{*1,2}
Level switching point:	max. 5 switching point ^{*1} (reed-contacts n.c.contact/n.o.contact/change over contact) continuous level measurement, resolution 2.5mm, 5mm, 10mm on analogue 4-20mA* (only with 120 housing)
Switching capacity:	Level: 230V/0.5A, max 30VA (terminal strip / valve connector), 30VDC/0.5A (M12 connector a-coded), Temperature: 230V/16A, (terminal strip/valve plug) 30V/2A (M12 connector a-coded)
Switching contact:	Relay changeover contact, potential-free, configurable
Temperature setting range:	-20°C to 120°C
Measuring range temp.:	-35°C to 124°C measuring accuracy typ. ±0.25°C from -10 °C to 60 °C measuring accuracy typ. ±0.7°C from -35 °C to 124 °C sensitivity: 0.01°K/digit, display resolution: 1.0°C
Supply voltage:	24VDC ±15%, protected against polarity reversal
Operating current:	<100mA to 24VDC
Pressure:	max. 1 bar, higher pressure on request
Operating temperature:	-20°C to max 120°C ^{*3} in medium, -20°C to 70°C above mounting
Protection range:	IP 65
Certifications:	CE, RoHs, DIN EN 61326-1 Criteria B, DIN EN 61000-4-2 bis 3, DIN EN 61000-6-2 bis 6

^{*1} depending on the entire configuration, see matrix

^{*2} adjustable: 0-10V, 0-5V, 0-12V, 0-20mA, 4-20mA, 0-24mA

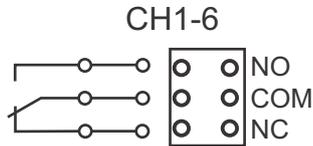
^{*3} Material dependent

Data sheet

Adjustable temperature switch / controller with actual value display and level measurement

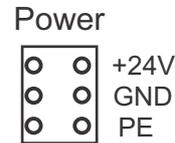
Type: UTS-2...

Terminal diagram

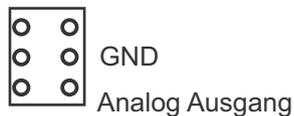


Drawn in the unactuated state

Channels 1 to 6
Changeover contact, potential-free



optionally:
analogue temperature



CH8

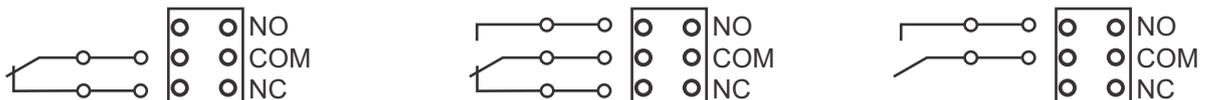
optionally:
continuous level measurement



CH6

With optional analog outputs, the terminals are preassigned and cannot be used for switching points

Clamp 2-8 at configuration level



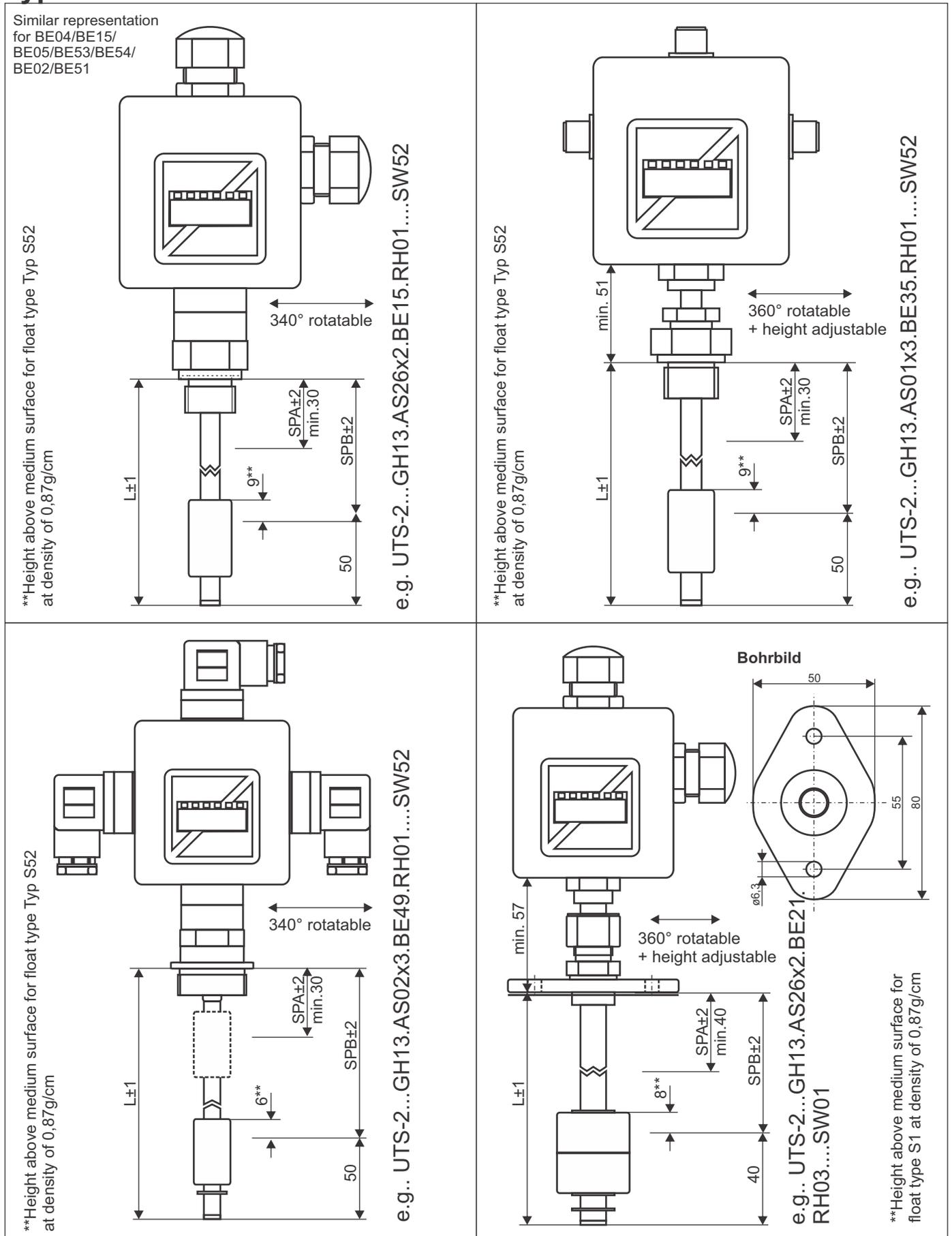
Clamp	1	2	3	4	5	6		7	8
Level		N	N	N	N	N		N	N
Temperature	T	T	T	T	T	T			
Analogue						KN			AT
	80er Housing						80er Housing		
	120er Housing								

- Terminals can be manufactured according to the table for a maximum of one function be configured
- Terminals 6 and 8 can be selected as analogue outputs

KN - continuous level measurement
AT - analogue temperature measurement
N - level measurement via switch contact
T - temperature switch point

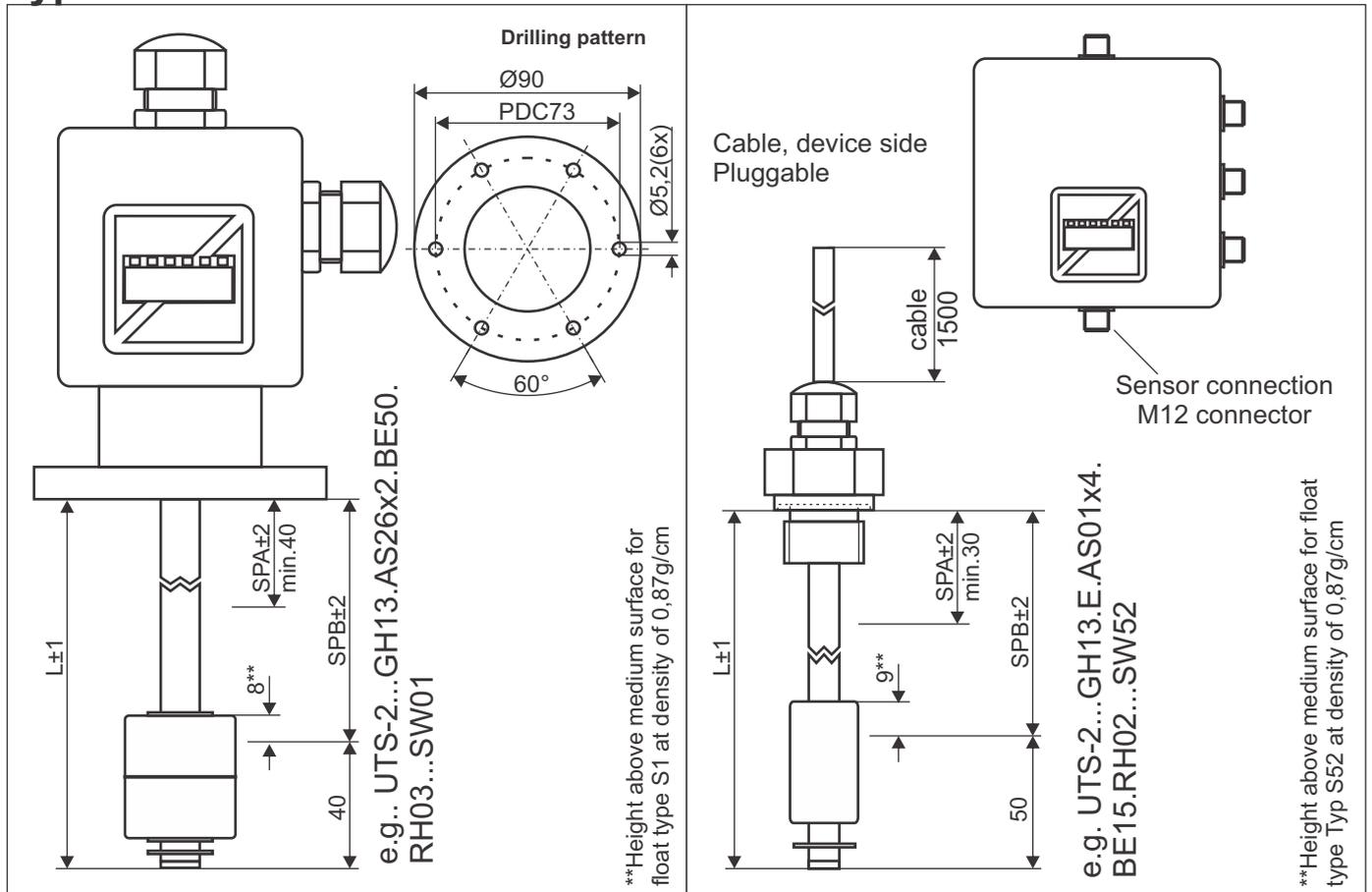
Data sheet

Adjustable temperature switch / controller with actual value display and level measurement
Type: UTS-2...

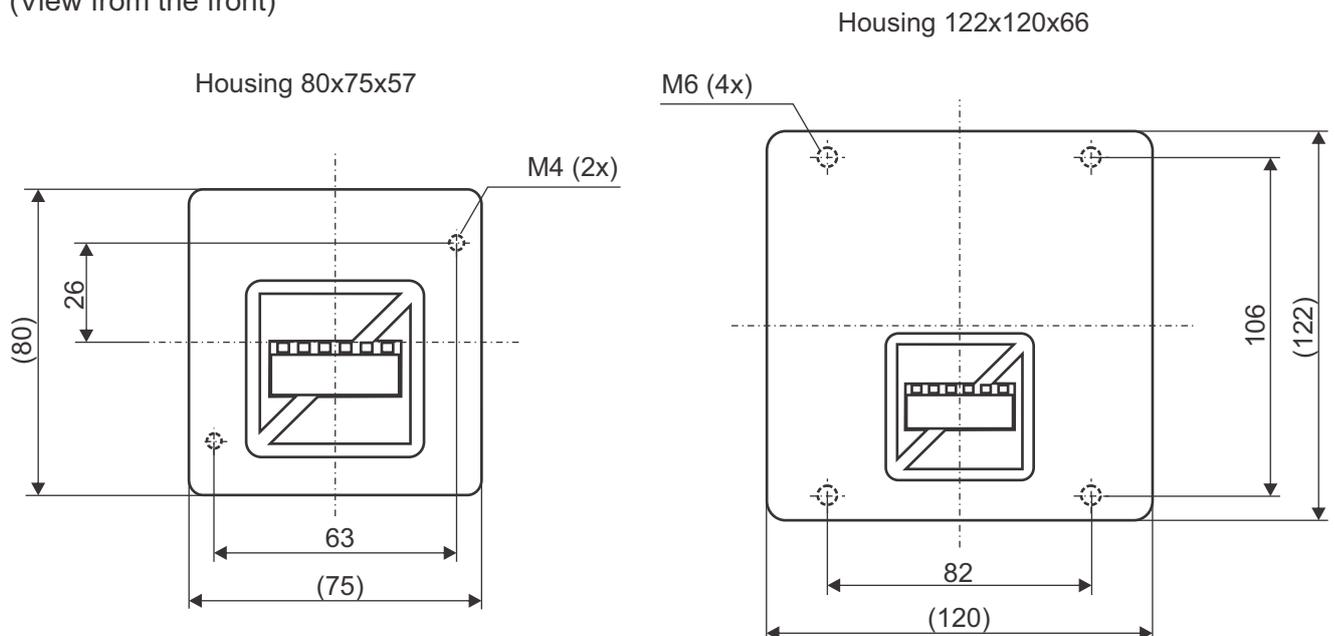


Data sheet

Adjustable temperature switch / controller with actual value display and level measurement
Type: UTS-2...

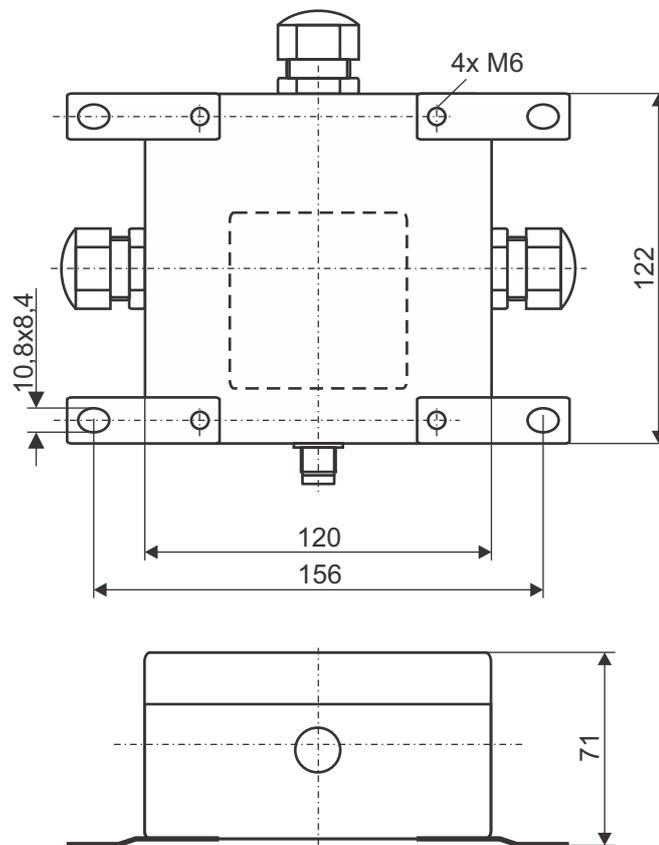


Drilling pattern
(View from the front)



Data sheet
Adjustable temperature switch / controller with actual value
display and level measurement
Type: UTS-2...

Equipment



Fastening tabs as
wall mount for
Housing (122x120)
Order number G110015

Further accessories on request