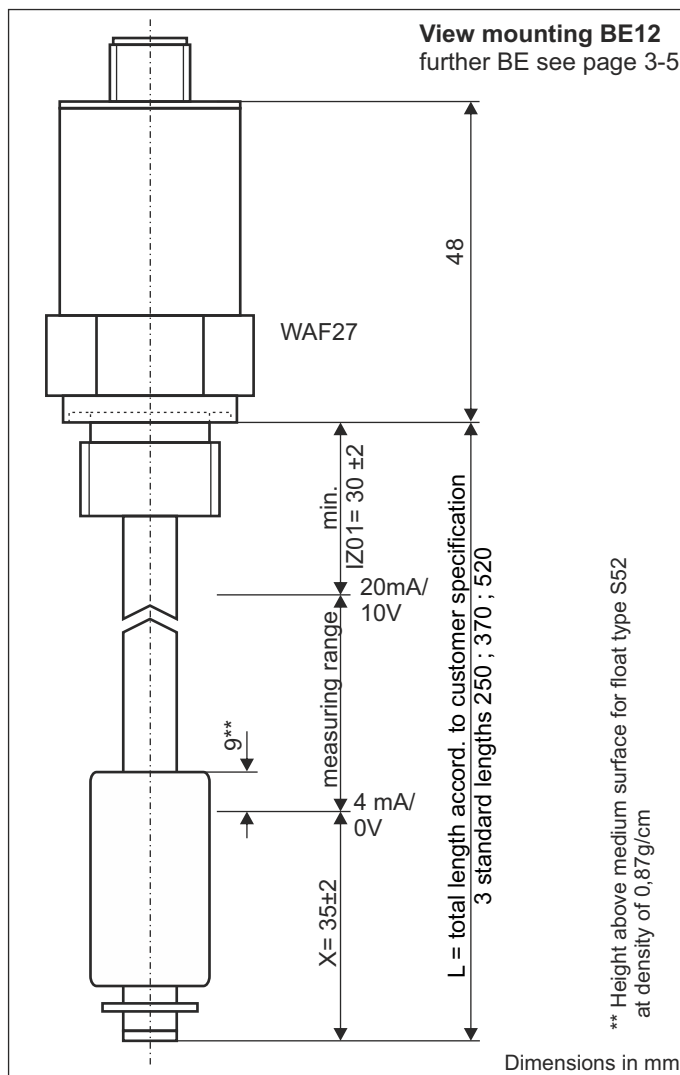


# Data sheet

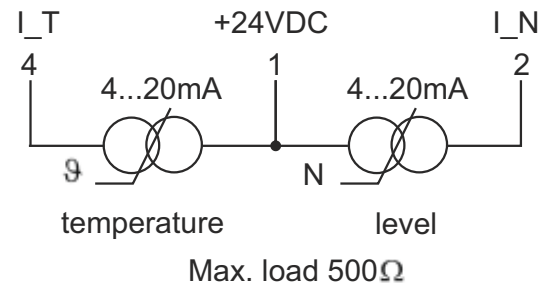
## Analogue level and temperature measurement

### Type: AST-55...

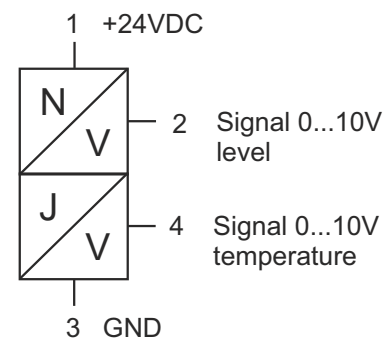


### Terminal diagram

SI02



SI01



### Technical data

Connection:	circular connector M12x1 4-pole, a-coded, material TPU on housing $\varnothing 27$ for material see order code
Mounting:	see order code
Tube:	$\varnothing 12$ mm or $\varnothing 8$ mm, length acc. to customer specification, material brass or stainless steel
Float:	$\varnothing 17,8 \times 32$ mm, material NBR, type S52 $\varnothing 27 \times 31$ mm, material stainless steel, type S12 $\varnothing 35 \times 40$ mm, material PP, type S1 $\varnothing 45 \times 52$ mm, material stainless steel 1.4571, type S4
Resolution:	2,5; 5 or 10mm reed chain
Measuring range level:	4...20mA over a length of L - IZ01 - X = measuring range in mm, see page 3-5 0...10V over a length of L - IZ01 - X = measuring range in mm, see page 3-5
Measuring range temp.:	4 ... 20mA at 0 ° C to 100 ° C 0...10V at 0°C to 100°C
Load:	max. 500 Ohm
Supply voltage:	24VDC $\pm 15\%$
Pressure:	atmospheric, 5bar for stainless steel design
Operating temperature:	float NBR/ stainless steel: -20°C to 100°C in medium; -20°C to 70°C above mounting float PP: -15°C to 80°C in medium; -20°C to 70°C above mounting
Protection rating:	IP 65

Subject to change

# Data sheet

## Analogue level and temperature measurement

### Type: AST-55...

Order code	AST-55.	GH11.	AS01.	BE12.	RH01=350.	IZ01=35.	SW52.	AL03.	SI01.	BT01
<i>Housing:</i> GH10 = Ø27 stainless steel GH11 = Ø27 alu										
<i>Connection:</i> AS01 = M12x1 4-pole										
<i>Mounting: see table 1</i> BE12 = 1/2" alu BE15 = 1/2" stainless steel BE51 = 1" alu BE49 = 1" stainless steel BE05 = 3/4" alu BE63 = 1 1/4" stainless steel BE29 = 1 1/2" alu BE42 = 1 1/2" stainless steel BE38 = 2" stainless steel BE03 = M20x1,5 alu BE53 = M22x1,5 alu BE54 = M24x1,5 alu BE39 = flange 80x50 PA BE50 = flange OD90 PCD73 alu BE65 = flange OD90 PCD73 stainless steel										
<i>Tube: see table 1</i> RH01 = ø8mm brass RH02 = ø8mm stainless steel RH03 = ø12mm brass RH09 = ø12mm stainless steel total length L e.g.: 350mm										
<i>Upper inactive zone:</i> IZ01 = e.g. 35mm										
<i>Float: see table 2</i> SW52 = float S52 SW12 = float S12 SW04 = float S4 SW01 = float S1										
<i>Resolution: see table 1</i> AL01 = resolution 2,5mm AL03 = resolution 5mm AL04 = resolution 10mm										
<i>Output:</i> SI01 = 0...10V SI02 = 4...20mA										
<i>Temperature class: see table 3</i> BT01= -20°C...100°C BT03= -15°C...80°C										

Tabelle 1	Mounting BExx see page 3-5															Auflösung ALxx		
Tube RHxx	BE12	BE15	BE51	BE49	BE03	BE39	BE05	BE29	BE42	BE63	BE38	BE54	BE53	BE50	BE65	AL01	AL03	AL04
RH01	✓	–	✓	–	✓	✓	✓	–	–	–	–	✓	✓	–	–	–	✓	–
RH02	–	✓	–	✓	–	✓	–	–	–	✓	–	–	–	–	–	–	✓	–
RH03	–	–	–	–	–	–	–	✓	–	–	–	–	–	✓	–	✓	✓	✓
RH09	–	–	–	–	–	–	–	–	✓	✓	✓	–	–	✓	✓	✓	✓	✓

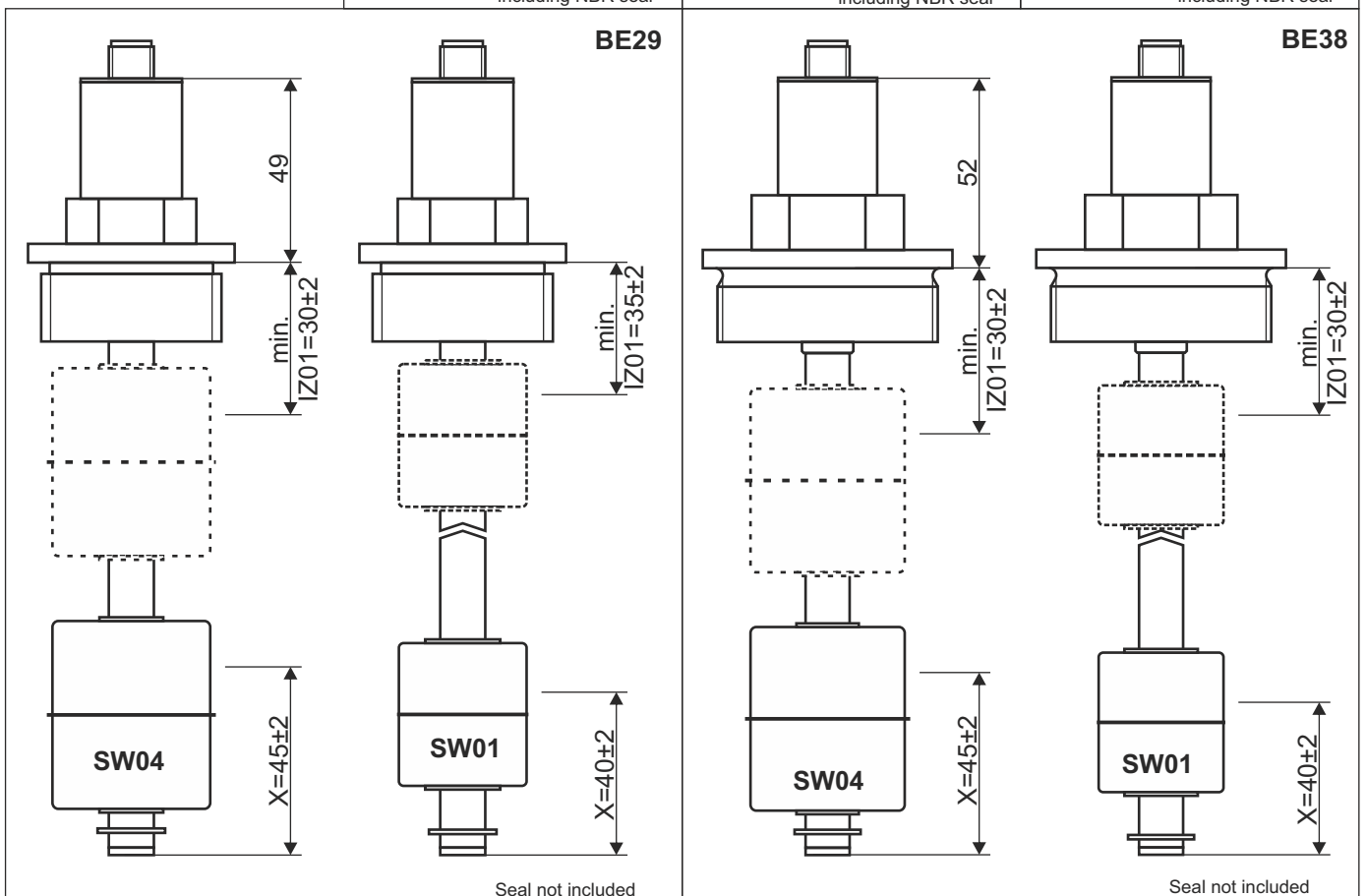
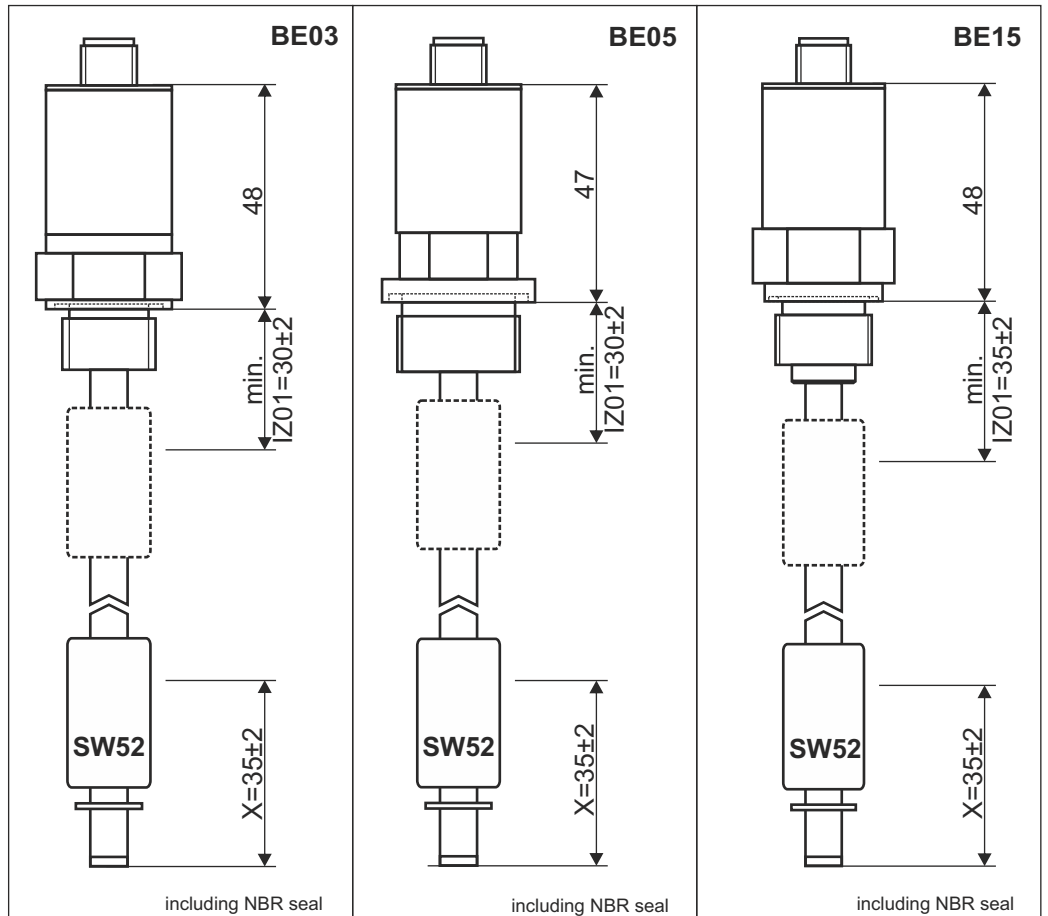
Tabelle 2	Mounting BExx see page 3-5															Further variants and material possible on request
Float SWxx	BE12	BE15	BE51	BE49	BE03	BE39	BE05	BE29	BE42	BE63	BE38	BE54	BE53	BE50	BE65	
SW52	✓	✓	✓	✓	✓	✓	✓	–	–	✓	–	✓	✓	–	–	
SW12	–	–	✓	✓	–	✓	–	–	–	✓	–	–	–	–	–	
SW04	–	–	–	–	–	–	–	✓	✓	–	✓	–	–	✓	✓	
SW01	–	–	–	–	–	–	–	✓	✓	✓	✓	–	–	✓	✓	

# Data sheet

## Analogue level and temperature measurement

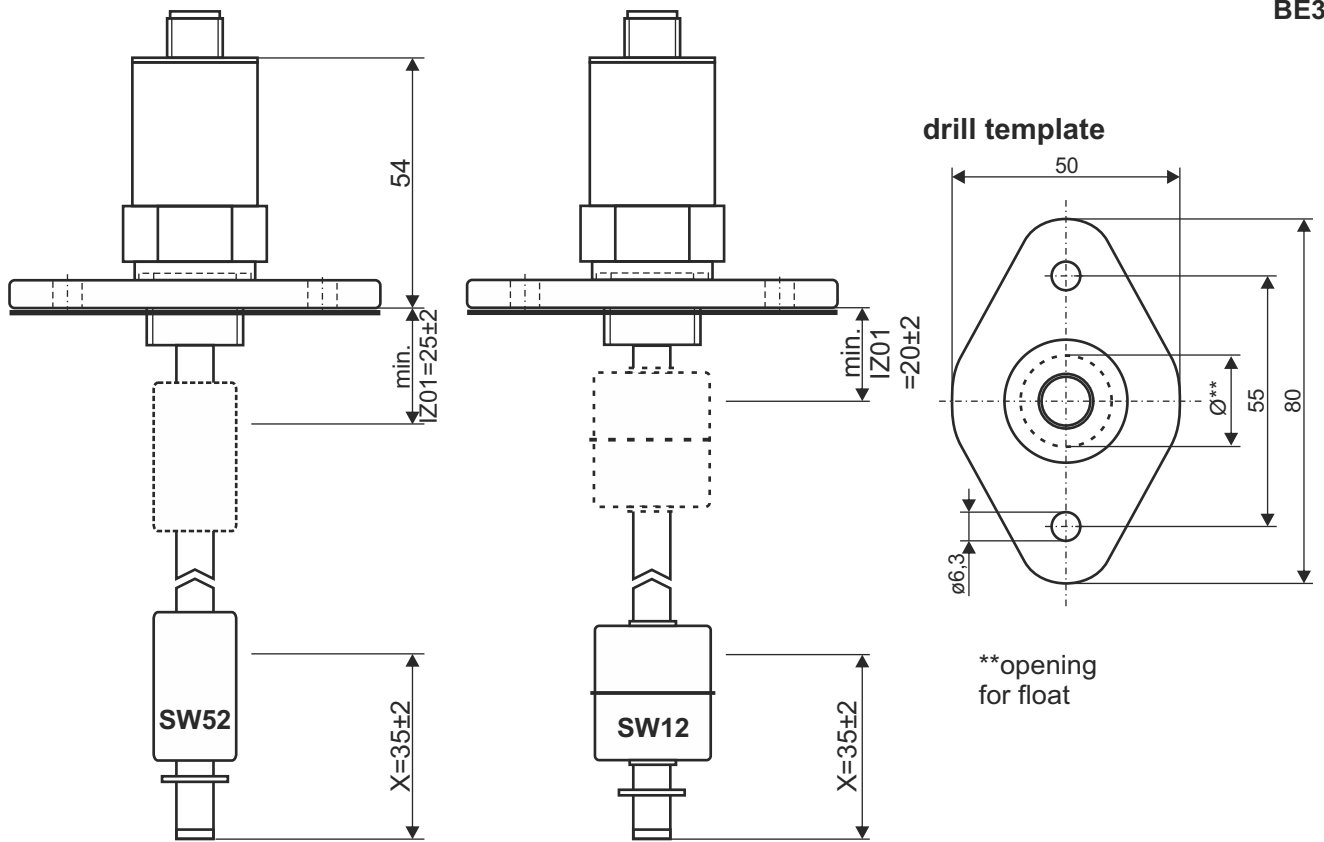
### Type: AST-55...

Table 3	Temperature class BTxx	
	BT01	BT03
Material	BT01	BT03
NBR	✓	—
stainless steel	✓	—
PP	—	✓



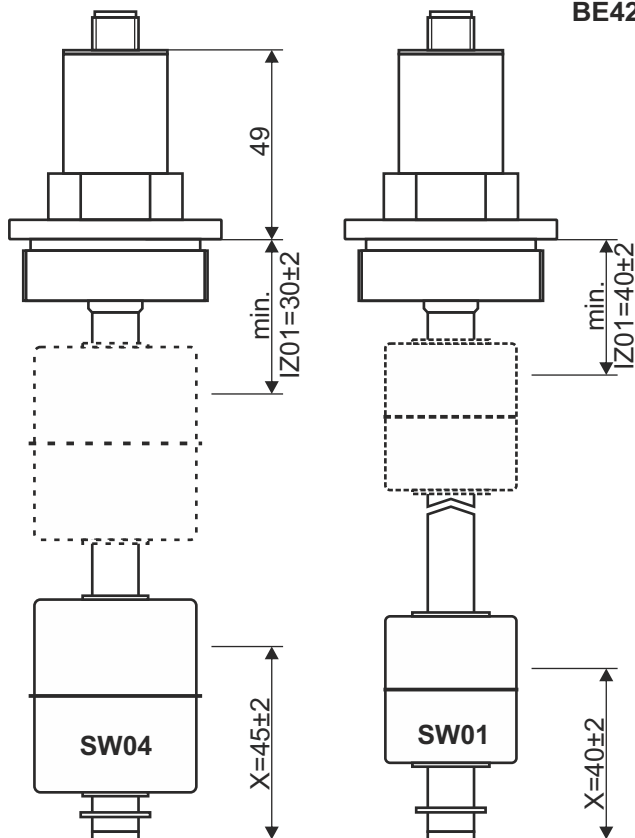
**Data sheet**  
**Analogue level and temperature measurement**  
**Type: AST-55...**

**BE39**



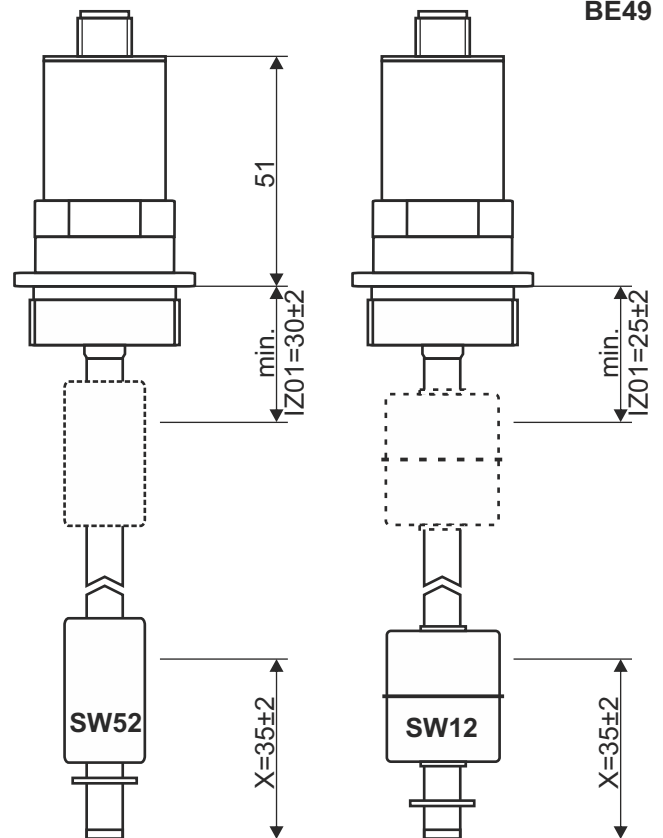
including NBR seal

**BE42**



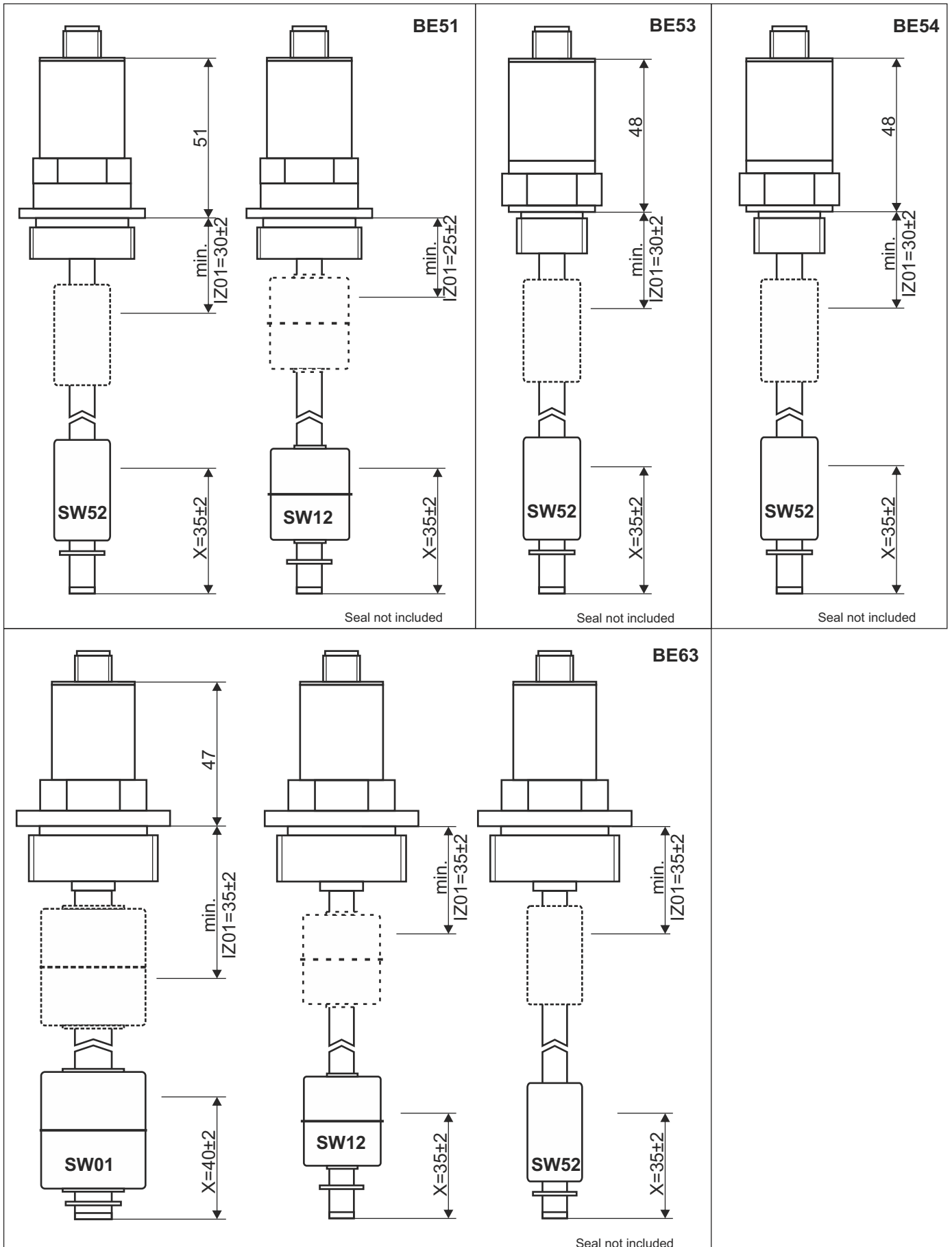
Seal not included

**BE49**



Seal not included

**Data sheet**  
**Analogue level and temperature measurement**  
**Type: AST-55...**



**Data sheet**  
**Analogue level and temperature measurement**  
**Type: AST-55...**

