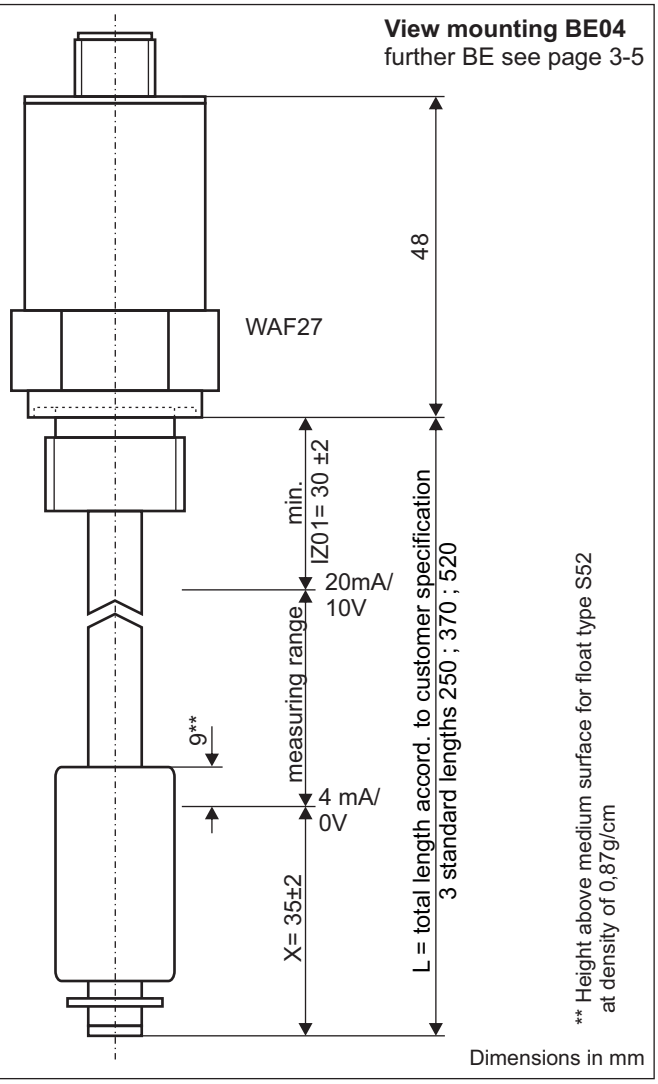
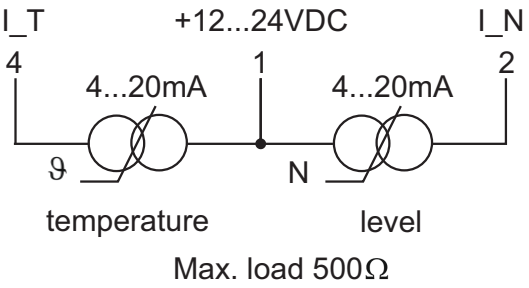
Data sheet
Analogue level and temperature measurement
Type: AST-55...

View mounting BE04
further BE see page 3-5

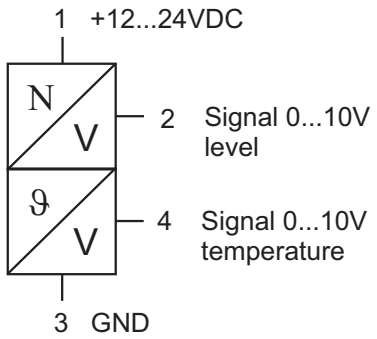


Terminal diagram

SI02



SI01



Technical data

Connection:	circular connector M12x1 4-pole, a-coded, material TPU on housing ø27 for material see order code
Mounting:	see order code
Tube:	Ø12mm or Ø8mm, length acc. to customer specification, material brass or stainless steel
Float:	ø17,8x32mm, material NBR, type S52 ø27x31mm, material stainless steel, type S12 ø35x40mm, material PP, type S1 ø45x52mm, material stainless steel 1.4571, type S4 ø21x36mm, material NBR, type S64
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:	12...24VDC ±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

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Order code

AST-55. GH11. AS01. BE04. RH01=350. IZ01=35. SW52. AL03. SI01. BT01

Housing:
GH10 = Ø27 stainless steel
GH11 = Ø27 alu
Connection:
AS01 = M12x1 4-pole
Mounting: see table 1
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
BE36 = 1 1/2" stainless steel
BE38 = 2" stainless steel
BE02 = M20x1,5 alu
BE53 = M22x1,5 alu
BE54 = M24x1,5 alu
BE21 = flange 80x50 PA
Tube: see table 1
RH01 = ø8mm brass
RH02 = ø8mm stainless steel
RH03 = ø12mm brass
RH09 = ø12mm stainless steel
total length L e.g.: 350mm
Upper inactive zone:
IZ01 = e.g. 35mm
Float: see table 2
SW52 = float S52
SW12 = float S12
SW04 = float S4
SW01 = float S1
Resolution: see table 1
AL01 = resolution 2,5mm
AL03 = resolution 5mm
AL04 = resolution 10mm
Output:
SI01 = 0...10V
SI02 = 4...20mA
Temperature class: see table 3
BT01= -20°C...100°C
BT03= -15°C...80°C

Tabele 1	Mounting BExx see page 3-5													Auflösung ALxx		
Tube RHxx	BE04	BE15	BE51	BE49	BE02	BE21	BE05	BE29	BE36	BE63	BE38	BE54	BE53	AL01	AL03	AL04
RH01	✓	–	✓	–	✓	✓	✓	–	–	–	–	✓	✓	–	✓	✓
RH02	–	✓	–	✓	–	✓	–	–	–	✓	–	–	–	–	✓	✓
RH03	–	–	–	–	–	–	–	✓	–	–	–	–	–	✓	✓	✓
RH09	–	–	–	–	–	–	–	–	✓	✓	✓	–	–	✓	✓	✓

Tabele 2	Mounting BExx see page 3-5												
Float SWxx	BE04	BE15	BE51	BE49	BE02	BE21	BE05	BE29	Be36	BE63	BE38	BE54	BE53
SW52	✓	✓	✓	✓	✓	✓	✓	–	–	✓	–	✓	✓
SW12	–	–	✓	✓	–	✓	–	–	–	✓	–	–	–
SW04	–	–	–	–	–	–	–	✓	✓	–	✓	–	–
SW01	–	–	–	_	–	–	–	✓	✓	✓	✓	–	–
SW64	–	–	✓	✓	–	✓	✓	–	–	✓	–	✓	–

Further variants and material possible on request

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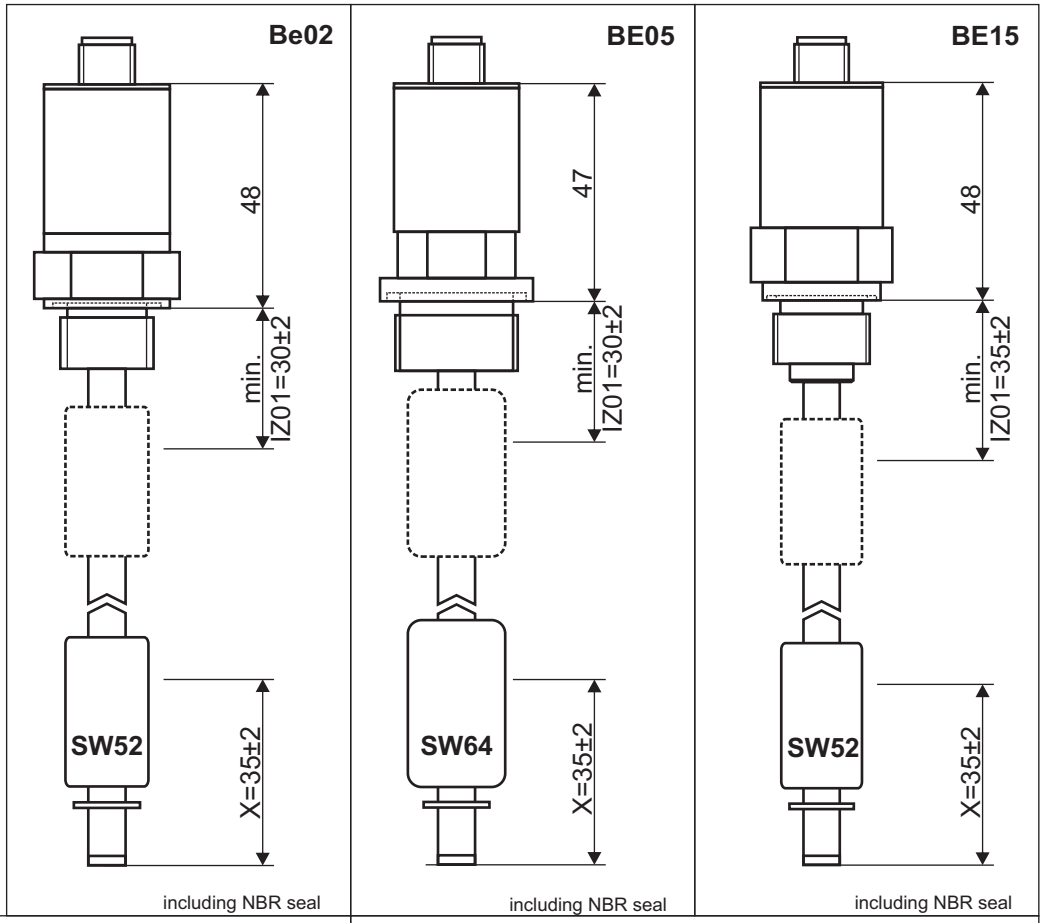
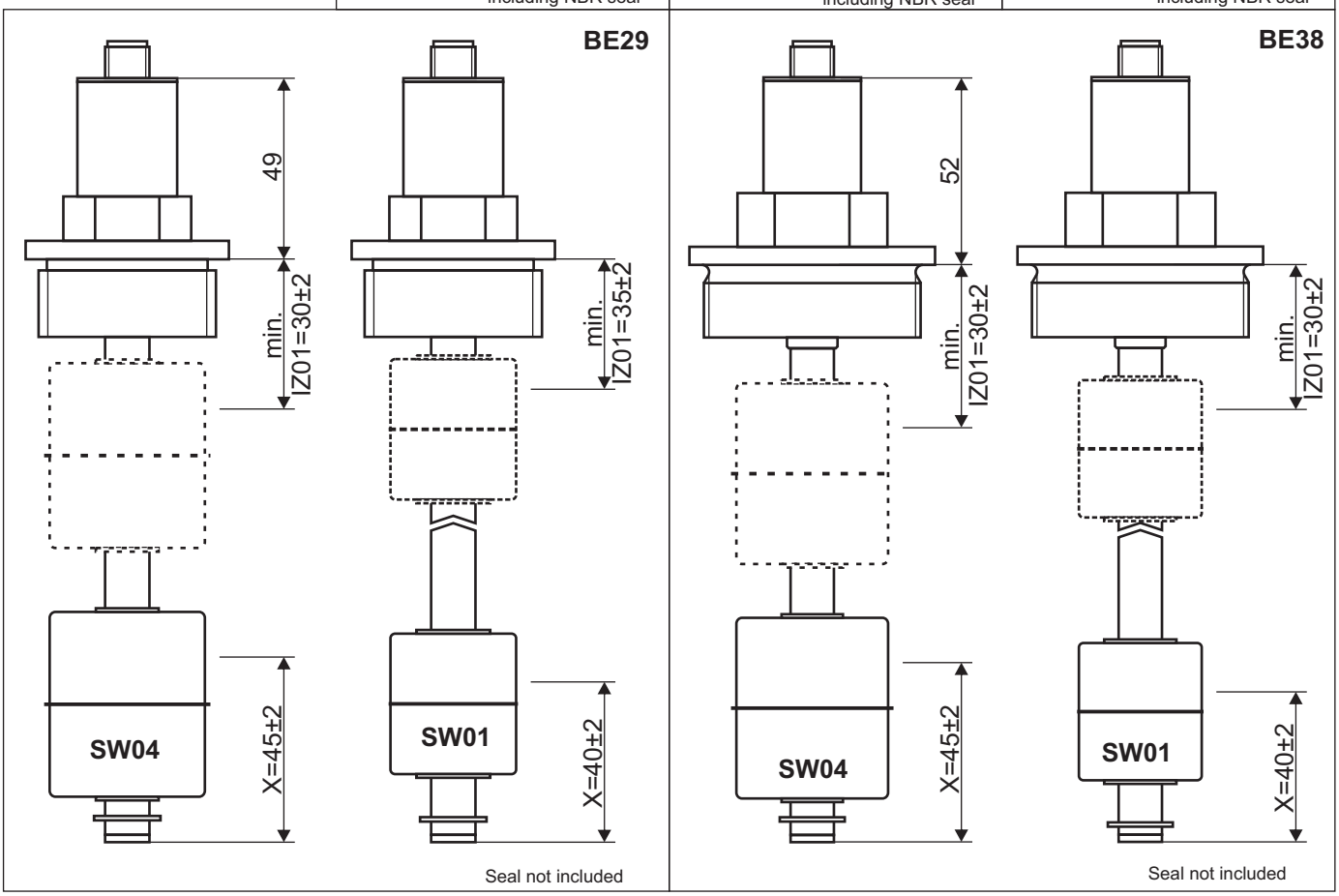
Table 3	Temperature class BTxx	
Material	BT01	BT03
NBR	✓	–
stainless steel	✓	–
PP	–	✓





Data sheet
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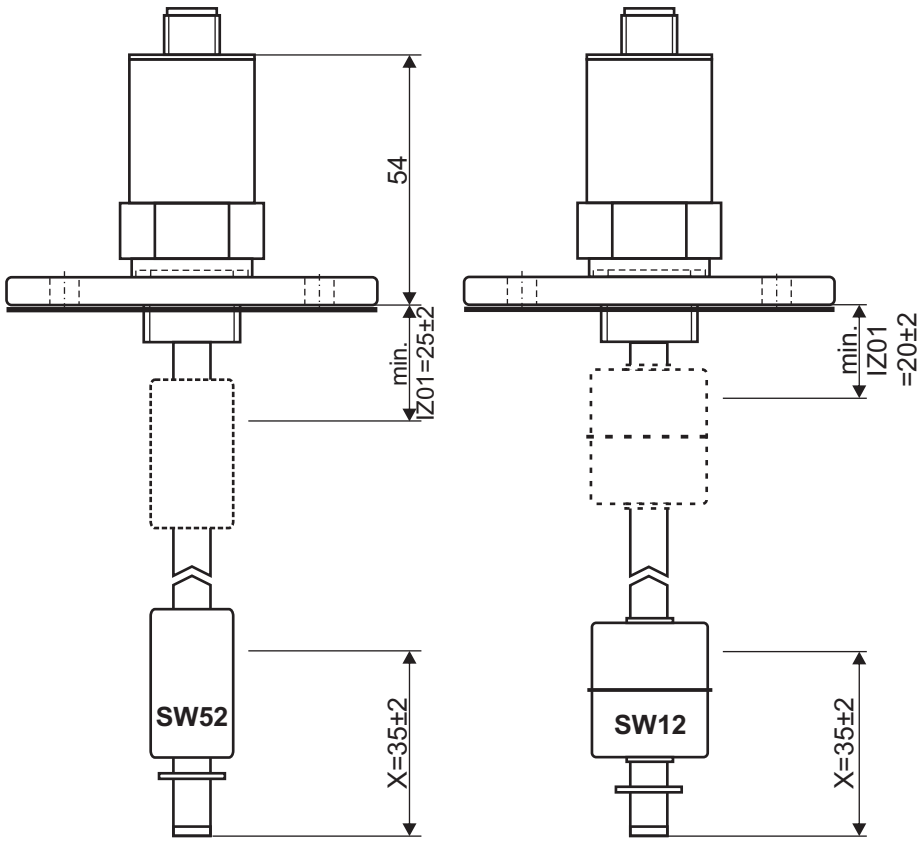
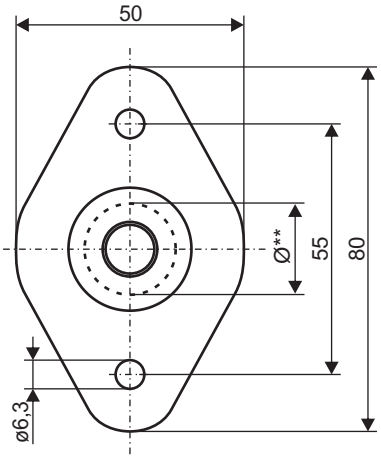
Type: AST-55...

BE21



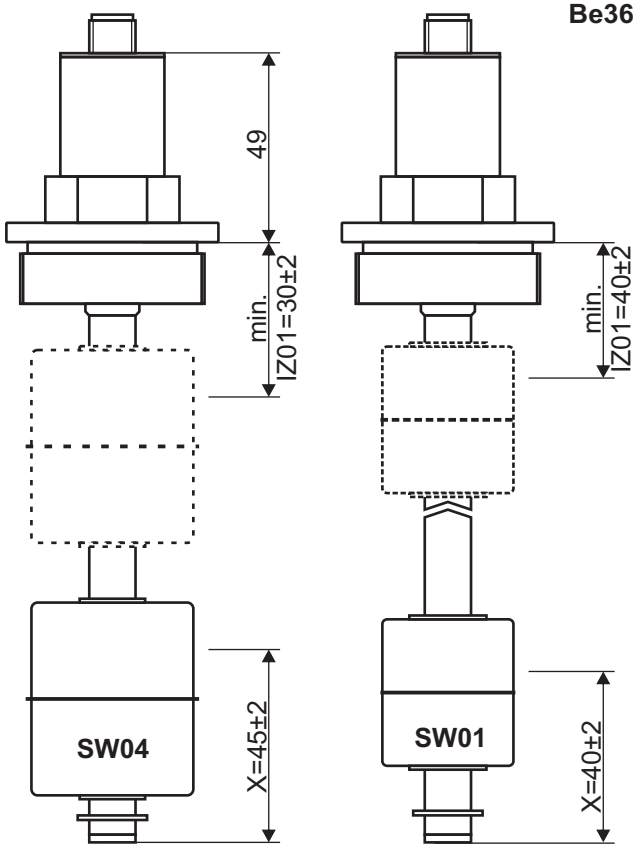
drill template



**opening for float

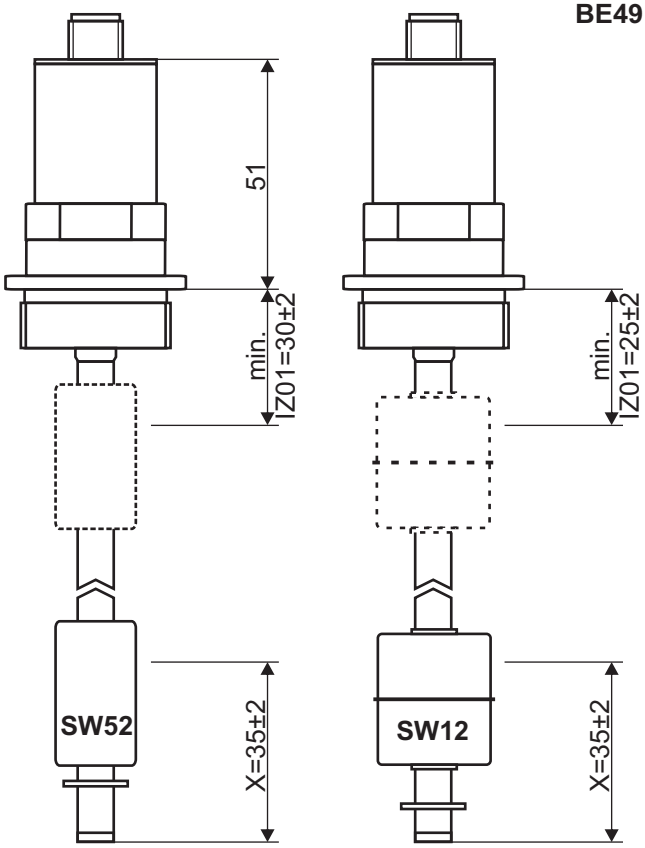
including NBR seal

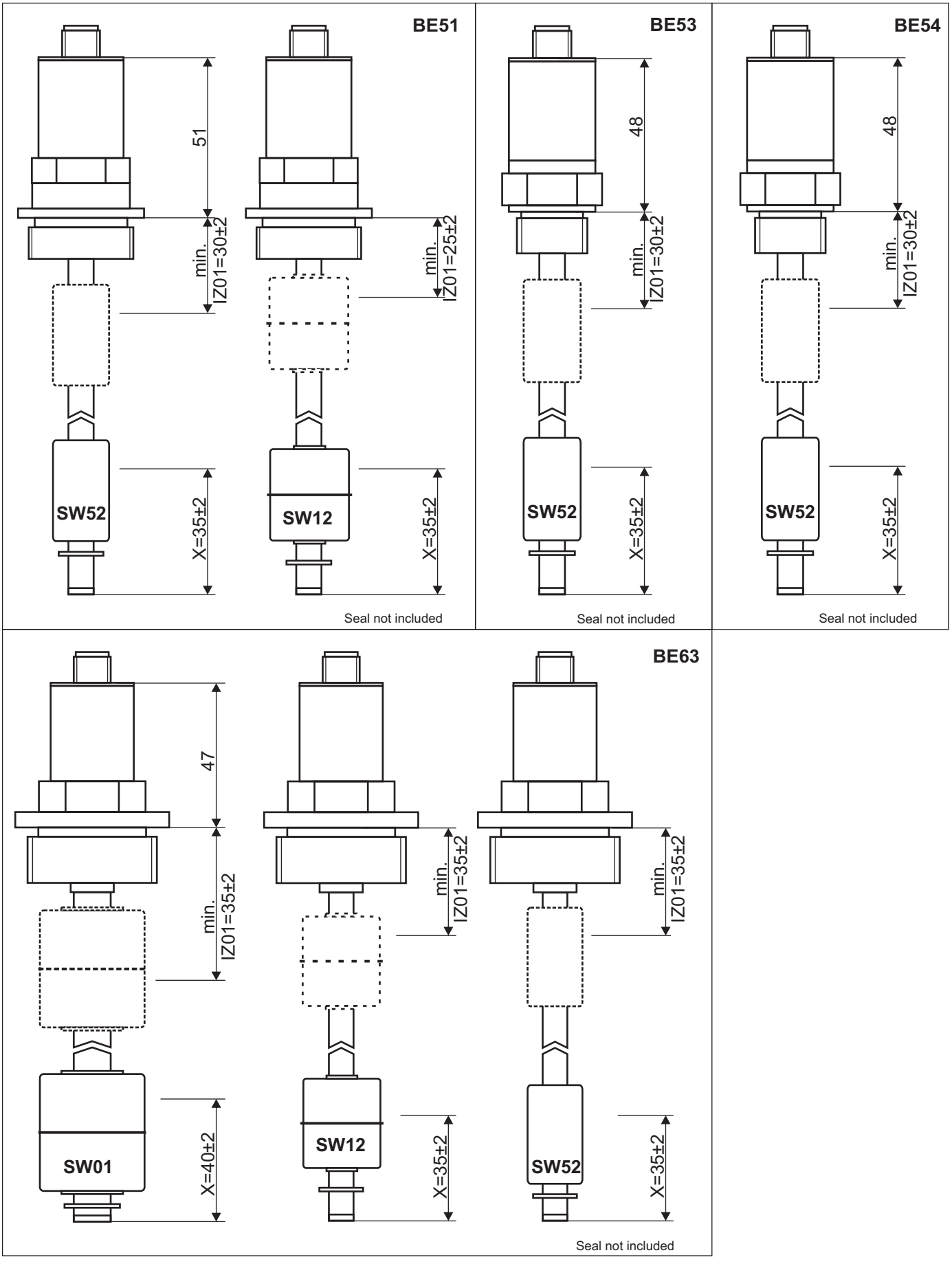
Be36



Seal not included

BE49



Seal not included

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