



Boia de nível magnética 207KS

A Bóia de Nível Magnética 207KS montada com dobradiça mecânica é ideal para uso em aplicações que requerem monitoramento confiável em fluxos volumosos. Está disponível em duas opções de montagem diferentes, portanto é mais flexível e se adapta a vários tipos de uso, como por exemplo o monitoramento de nível em recipientes de tratamento de água, equipamentos móbil, controle de processos industriais e construção civil. A Bóia de Nível pode ser montada com borracha de compressão, o que permite que seja instalada também do lado de fora. Rotacionando o sensor é possível reverter o sentido de acionamento do sensor, se tornando uma solução altamente flexível e econômica.

Especificação Técnica

- Sensor de nível baseado em sensores magnéticos (reed)
- Dobradiça mecânica para aplicação em elevado fluxo de líquidos
- Material: PP ou PA12
- Montagem: rosca NPT ou borracha de compressão
- Conexões disponíveis: tomada, conector M12 e cabo pigtail
- Tipo de contato: NA, NF ou changeover
- Temperatura de trabalho de -25 °C até +105 °C
- Tensão máx. 250V
- Classe de proteção IP67

Desenho técnico

IMAGE 1/12

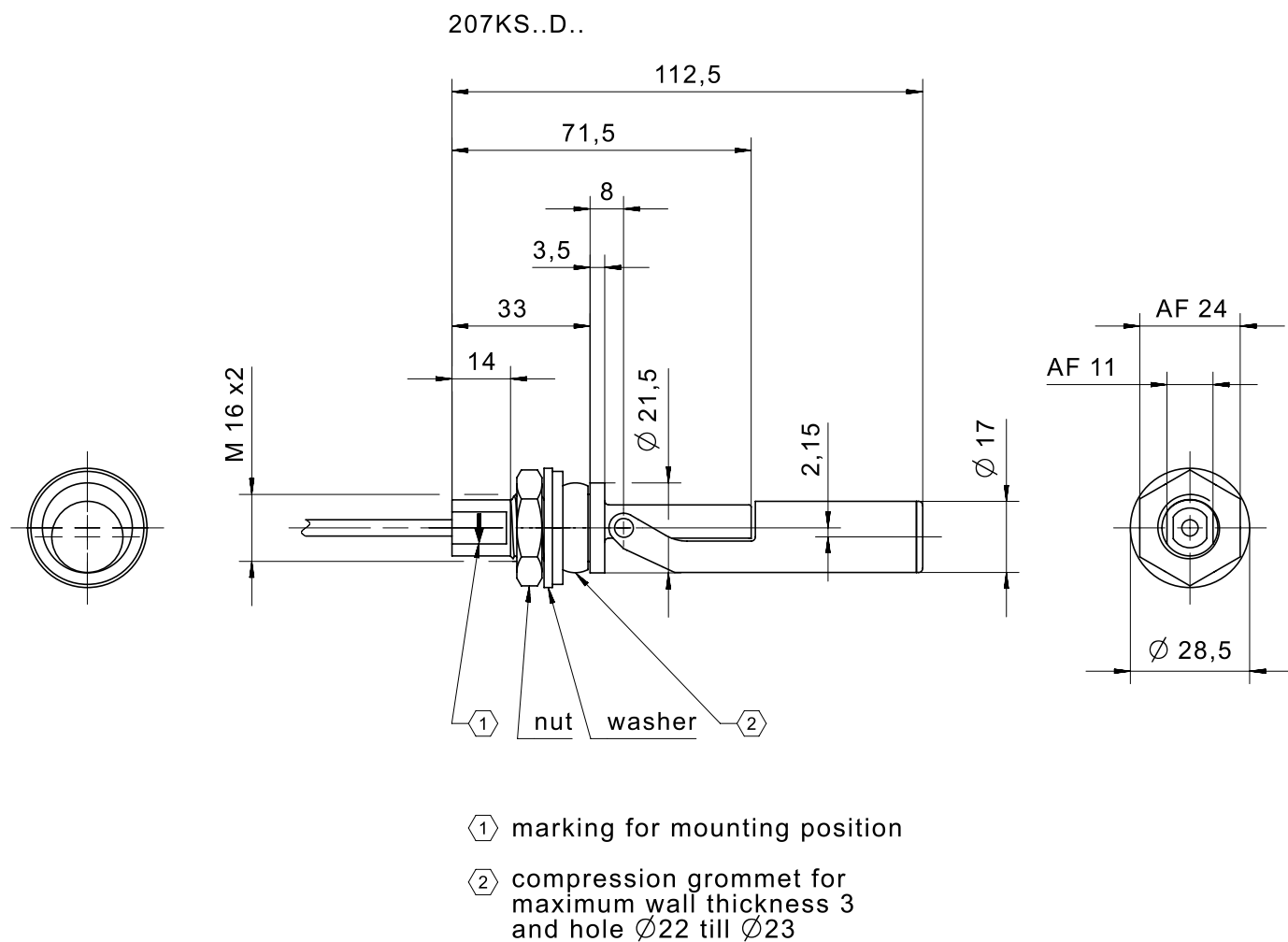


IMAGE 2/12

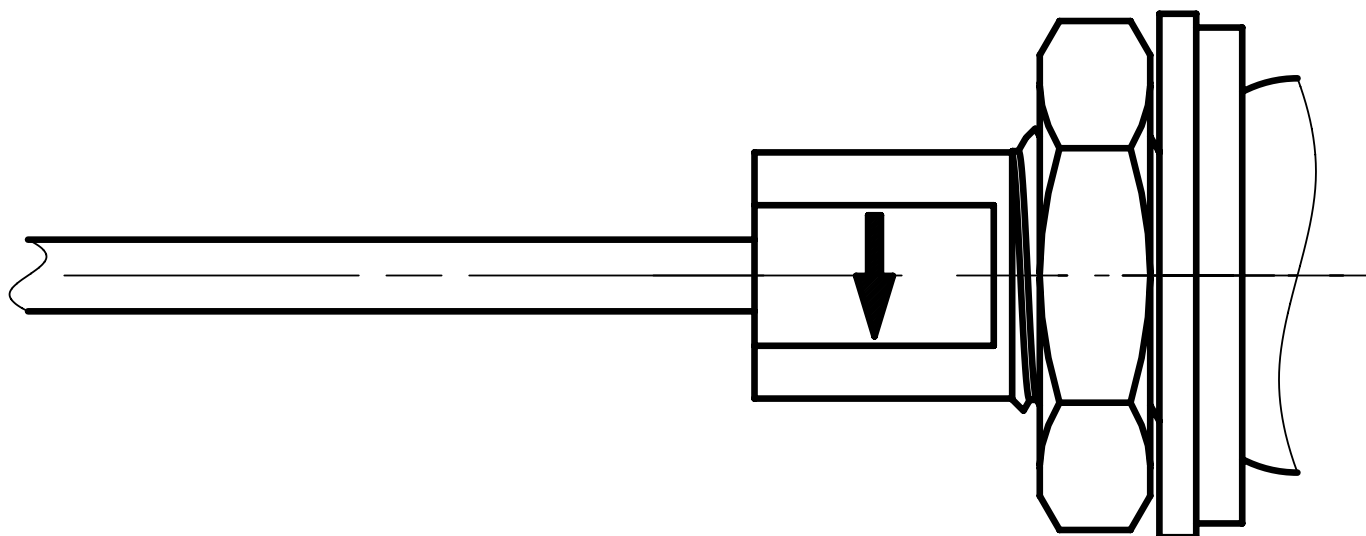
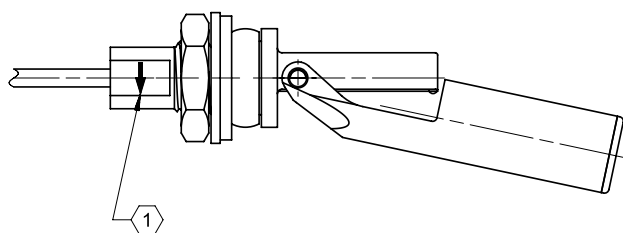


IMAGE 3/12



207KS0.D.....
207KS1.D.....

BN ———— WH

207KS2.D.....

BN ———— GN
 WH



207KS0.D.....
207KS1.D.....

BN ———— WH

207KS2.D.....

BN ———— GN
 WH

IMAGE 4/12

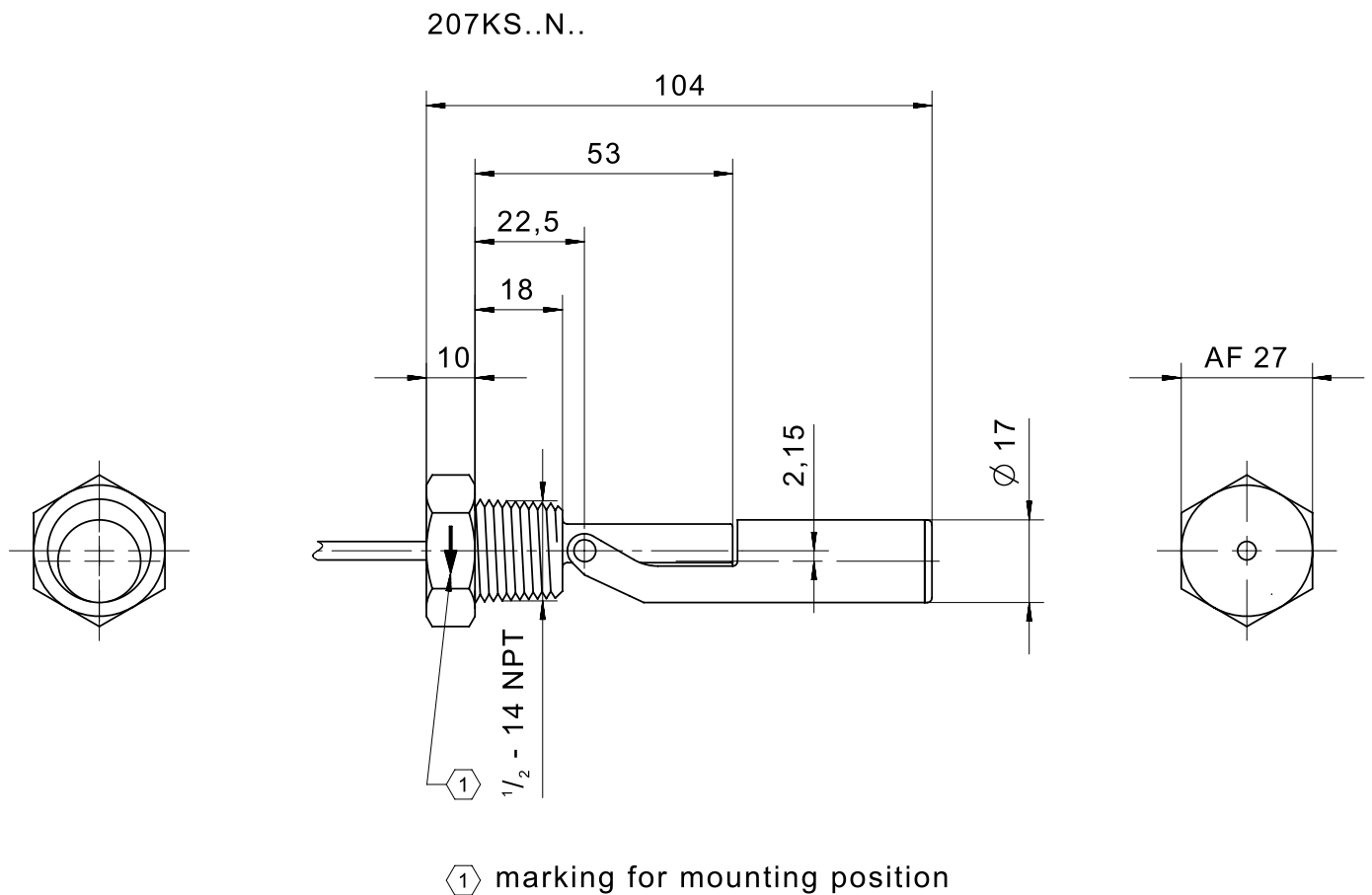
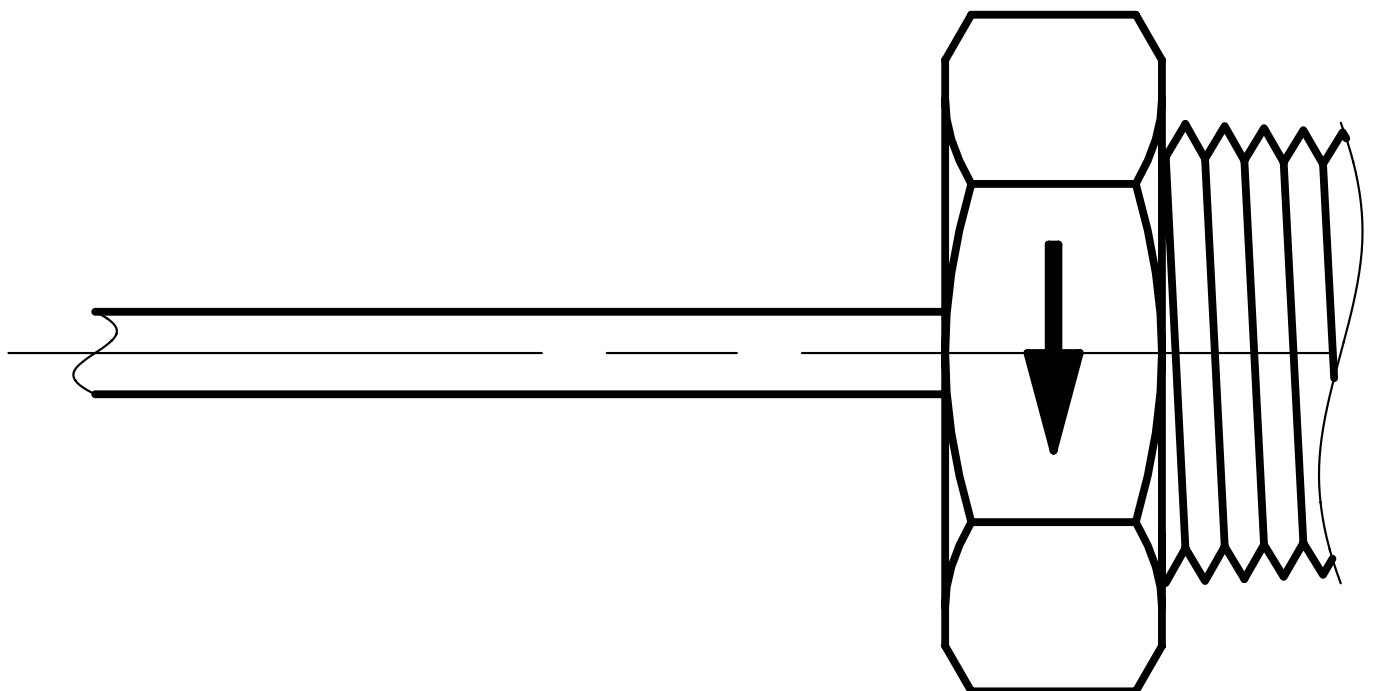
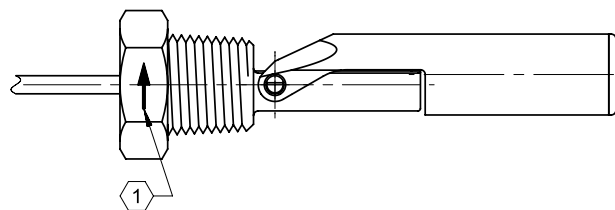
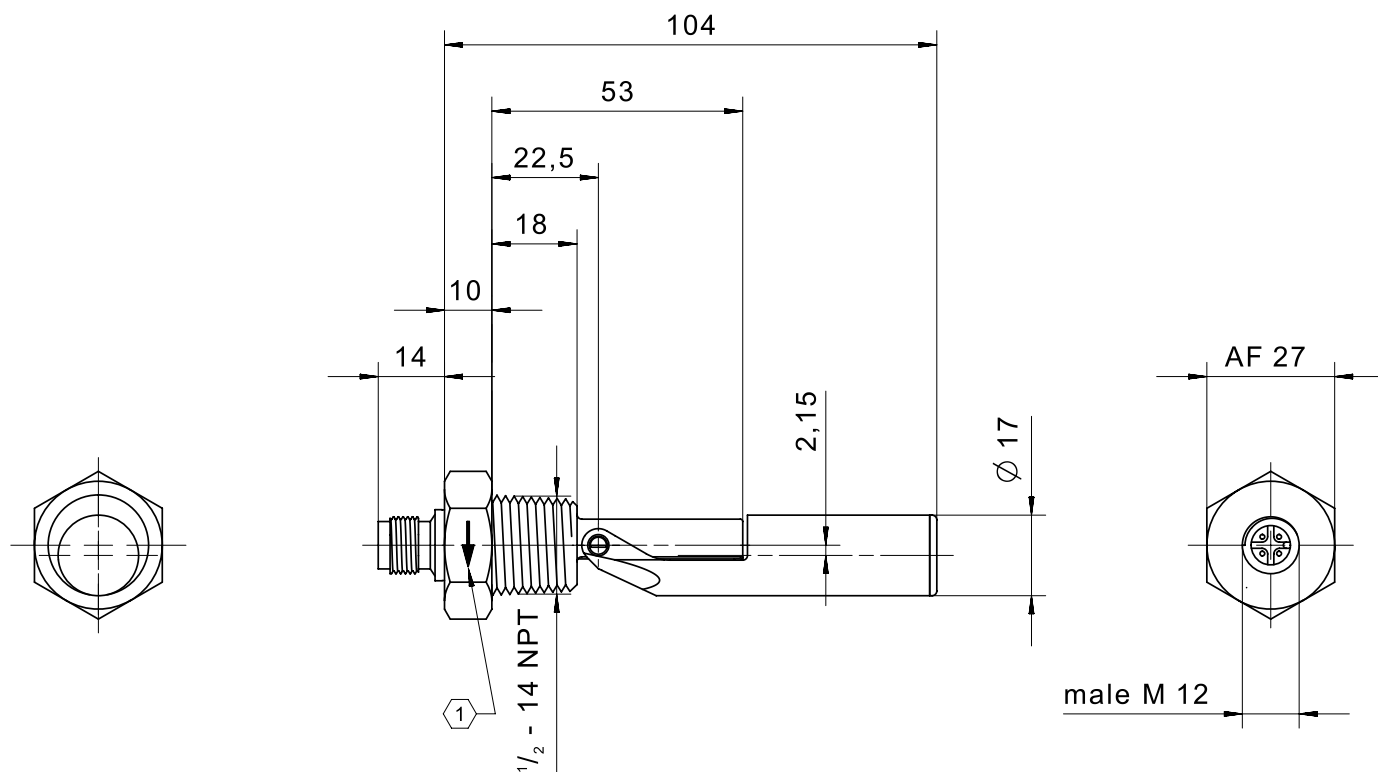


IMAGE 5/12





207KS14N05



① marking for mounting position

IMAGE 8/12

male M12

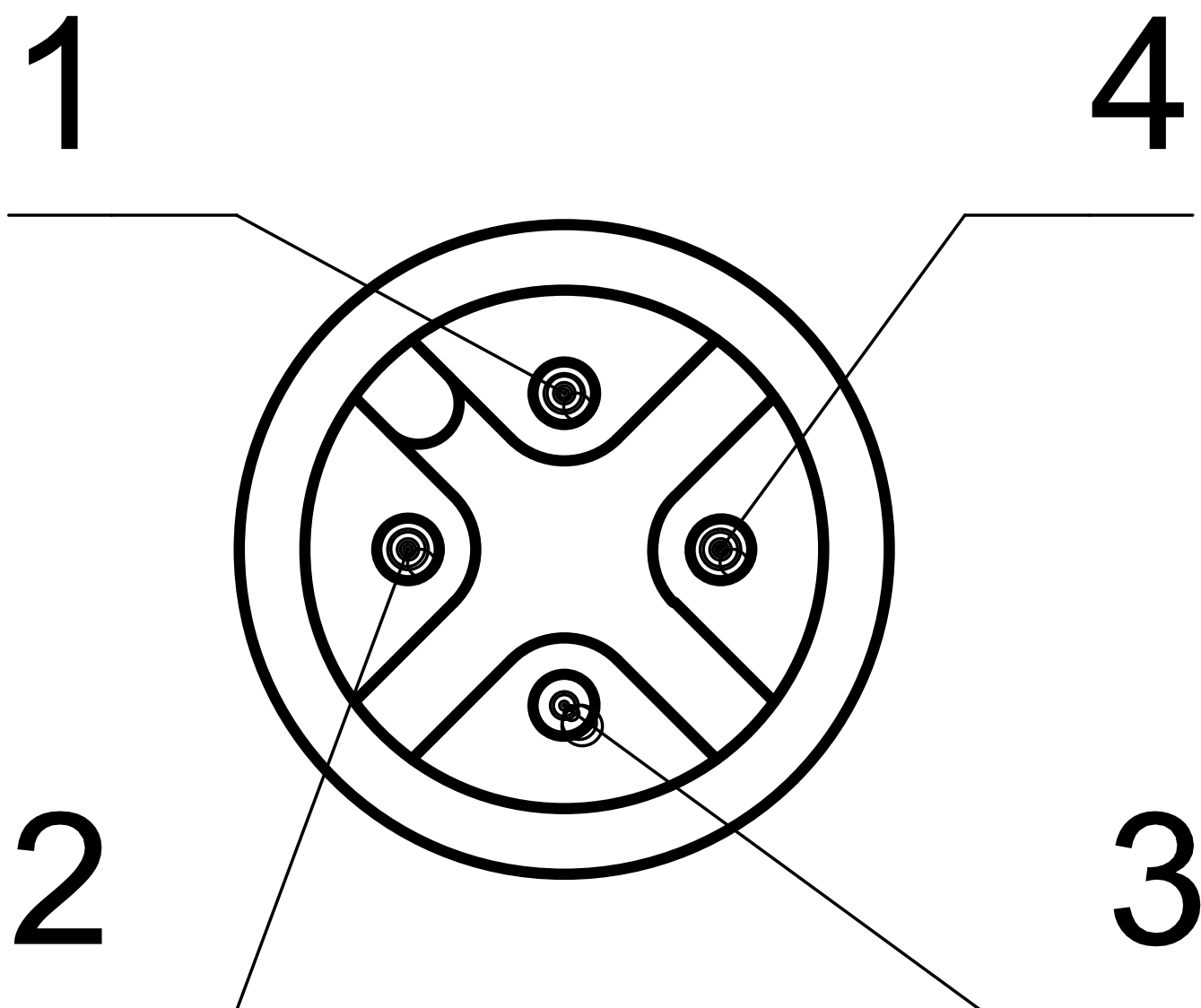
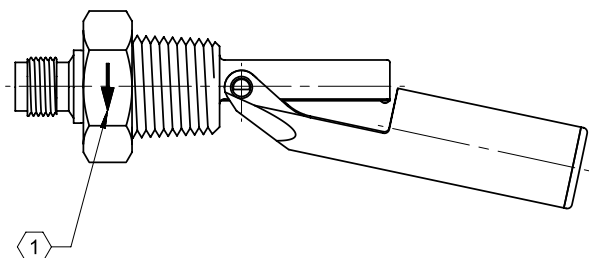
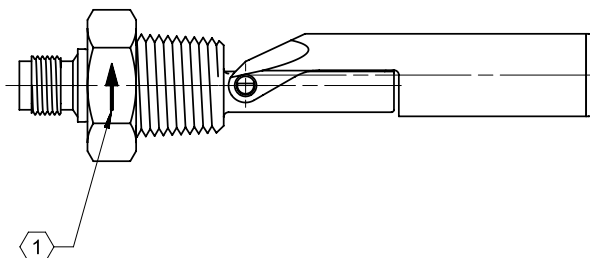


IMAGE 9/12



207KS14N05

3  1



207KS14N05


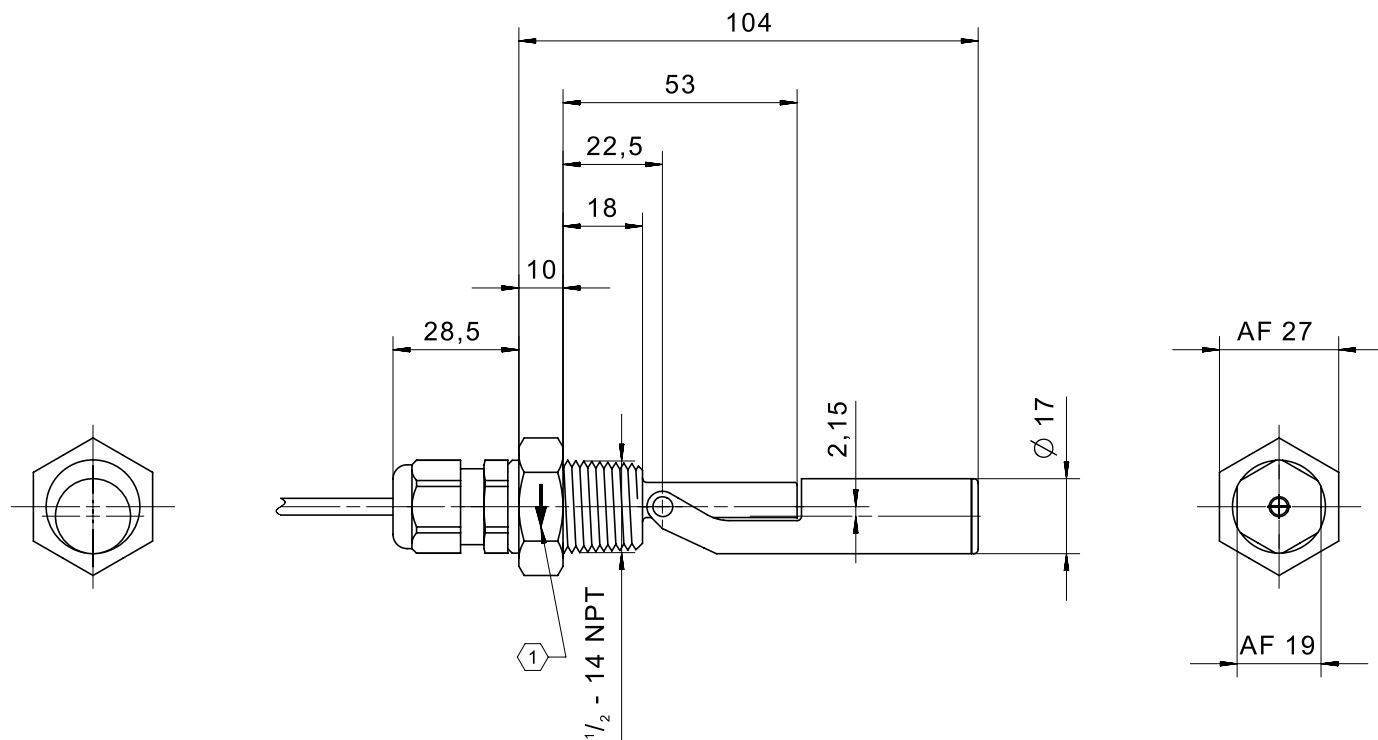
3  1

IMAGE 10/12

207KS..M..




 marking for mounting position

IMAGE 11/12

cable gland PA

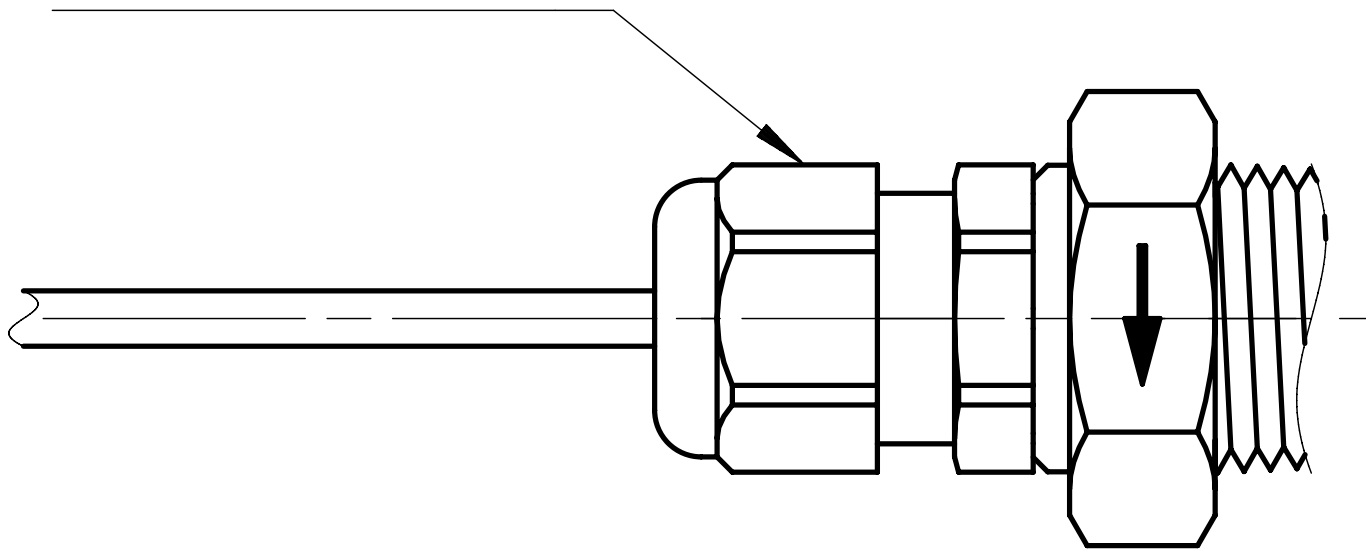


IMAGE 12/12



207KS0.M..
207KS1.M..

BN ——— WH

207KS2.M..

BN ——— GN
 WH



207KS0.M..
207KS1.M..

BN ——— WH

207KS2.M..

BN ——— GN
 WH

Product options

IMAGE 1/1

ORDERING KEY

207KS					Float switch side mount, mechanical hinge
					Contact form
	1				N.O./N.C. max. 250V
	2				C.O. max. 48V
					Housing material
		2			PP
		4			PA12
					Connections
			D		Connection thread M16x2, cable connection 1m, compression grommet
			M		Connection thread NPT 1/2, cable connection 1m, IP68
			N		Connection thread NPT 1/2, cable connection 1m
					Other cable lengths*
				-3	Cable length 3m
				-5	Cable length 5m
				-10	Cable length 10m
Variant:					
207KS14N05					Connection thread NPT 1/2, M12 connector, material PA12, N.O./N.C.
207KS24N02					Connection thread NPT 1/2, M12 connector, material PA12, C.O.

Optional

More materials for housings, compression grommets, cable sheathing on request

Electrical data

Attribute	207KS12D	207KS12N	207KS14D	207KS14N	207KS14N05	207KS22D ▶
Max. switching voltage	250 V DC					48 V DC
Max. switching voltage	250 V AC					48 V AC
Max. switching current	1 A					0.25 A
Max. switching power	50 W					3 W
Contact form	1A or 1B					1C
Output signal	digital					
Technology	Reed					

Electrical data

Attribute	207KS22N	207KS24D	207KS24N
Max. switching voltage	48 V DC		
Max. switching voltage	48 V AC		
Max. switching current	0.25 A		
Max. switching power	3 W		
Contact form	1C		
Output signal	digital		
Technology	Reed		

Mechanical data

Attribute	207KS12D	207KS12N	207KS14D	207KS14N	207KS14N05	207KS22D ▶
Float diameter	17 mm					
Version	Mechanical hinge					

Mechanical data

Attribute	207KS22N	207KS24D	207KS24N
Float diameter	17 mm		
Version	Mechanical hinge		

Material information

Attribute	207KS12D	207KS12N	207KS14D	207KS14N	207KS14N05	207KS22D ▶
Housing material	PP		PA12			PP
Float material	PP		PA12			PP
Cable material	PVC				-	PVC

Material information

Attribute	207KS22N	207KS24D	207KS24N
Housing material	PP	PA12	
Float material	PP	PA12	
Cable material	PVC		

Environmental conditions

Attribute	207KS12D	207KS12N	207KS14D	207KS14N	207KS14N05	207KS22D ▶
Operating temperature min.	-25 °C					
Max. operating temperature	105 °C					
Pressure resistance	3 bar					
Protection class outside container	IP67 DIN EN 60529					
Protection class inside container	IP68 DIN EN 60529					

Environmental conditions

Attribute	207KS22N	207KS24D	207KS24N
Operating temperature min.	-25 °C		
Max. operating temperature	105 °C		
Pressure resistance	3 bar		
Protection class outside container	IP67 DIN EN 60529		
Protection class inside container	IP68 DIN EN 60529		

Installation

Attribute	207KS12D	207KS12N	207KS14D	207KS14N	207KS14N05	207KS22D ▶
Mounting type	Compression grommet	Thread	Compression grommet	Thread		Compression grommet
Thread	-	G 1/2 - 14NPT	-	G 1/2 - 14NPT		-
Installation opening	D22-23	G 1/2 - 14NPT	D22-23	G 1/2 - 14NPT		D22-23

Installation

Attribute	207KS22N	207KS24D	207KS24N
Mounting type	Thread	Compression grommet	Thread
Thread	G 1/2 - 14NPT	-	G 1/2 - 14NPT
Installation opening	G 1/2 - 14NPT	D22-23	G 1/2 - 14NPT

Connection

Attribute	207KS12D	207KS12N	207KS14D	207KS14N	207KS14N05	207KS22D ▶
Connector type	-				M12	-
Cable length	1 m				-	1 m

Connection

Attribute	207KS22N	207KS24D	207KS24N
Connector type	-		
Cable length	1 m		