



## Float switch 204KS

The float switch side mount 204KS is extremely compact and has two different mounting options, making it ideal for use in a range of applications and industries, eg the detection of fluid levels in water treatment containers, mechanical engineering and plant construction. The float switch also has a specially designed compression grommet which allows it to be installed from the outside. The switching function is reversible by simply rotating the float switch, making this a highly flexible and cost-effective solution.

### Product characteristics

- Level measurement on reed-contact basis
- Extremely compact design
- Mechanical hinge allows use in powerful flows
- Material: PP or PA12
- Mounting options: G 1/2 thread or compression grommet
- Available connection types: cable outlet, M12 connector or pigtail
- Contact form: N.O, N.C or changeover
- Temperature range from -25 °C to +105 °C
- Switching voltage up to max. 250V
- IP67 protection class

## Technical drawing

IMAGE 1/12

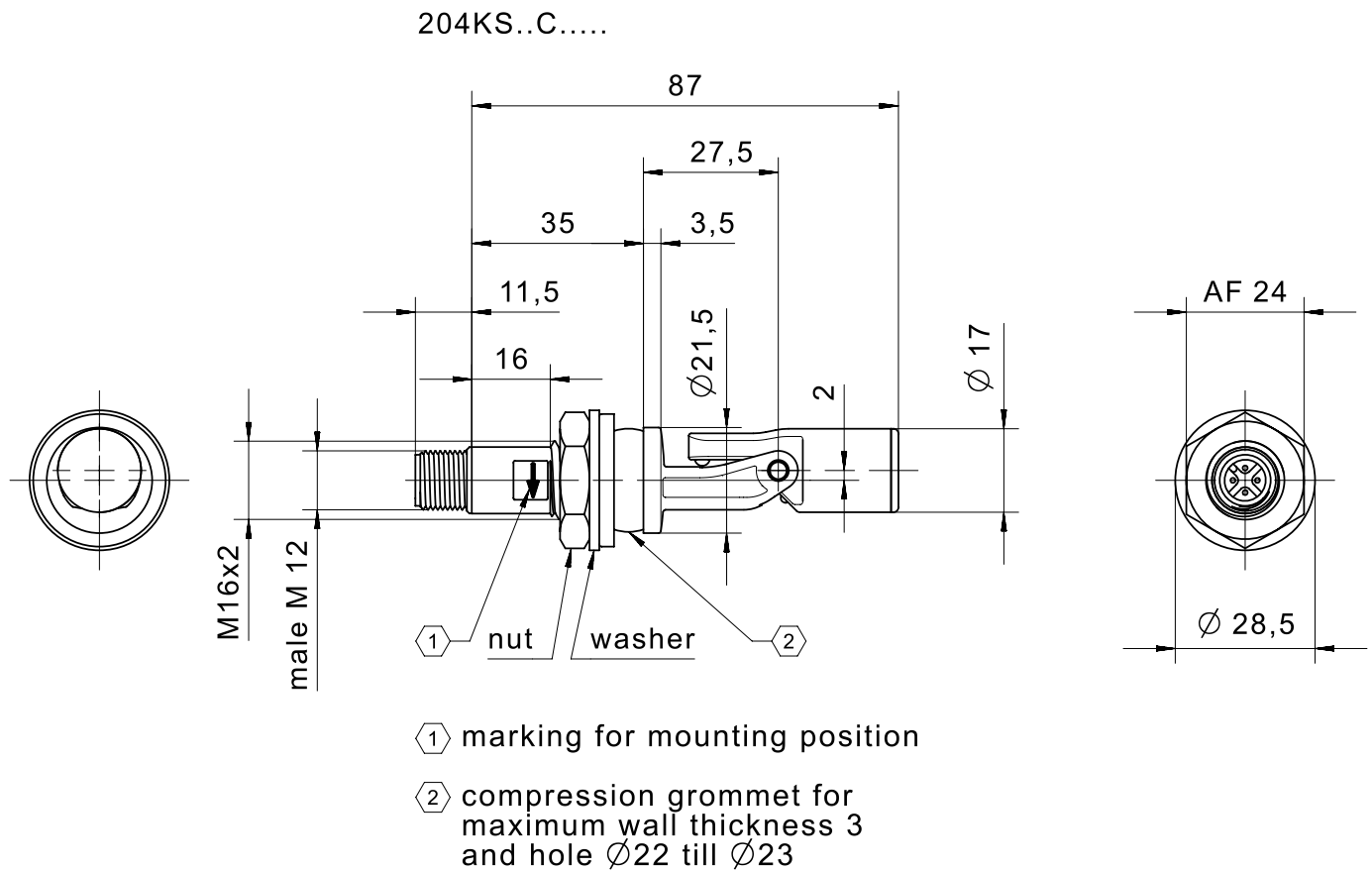


IMAGE 2/12

# male M12

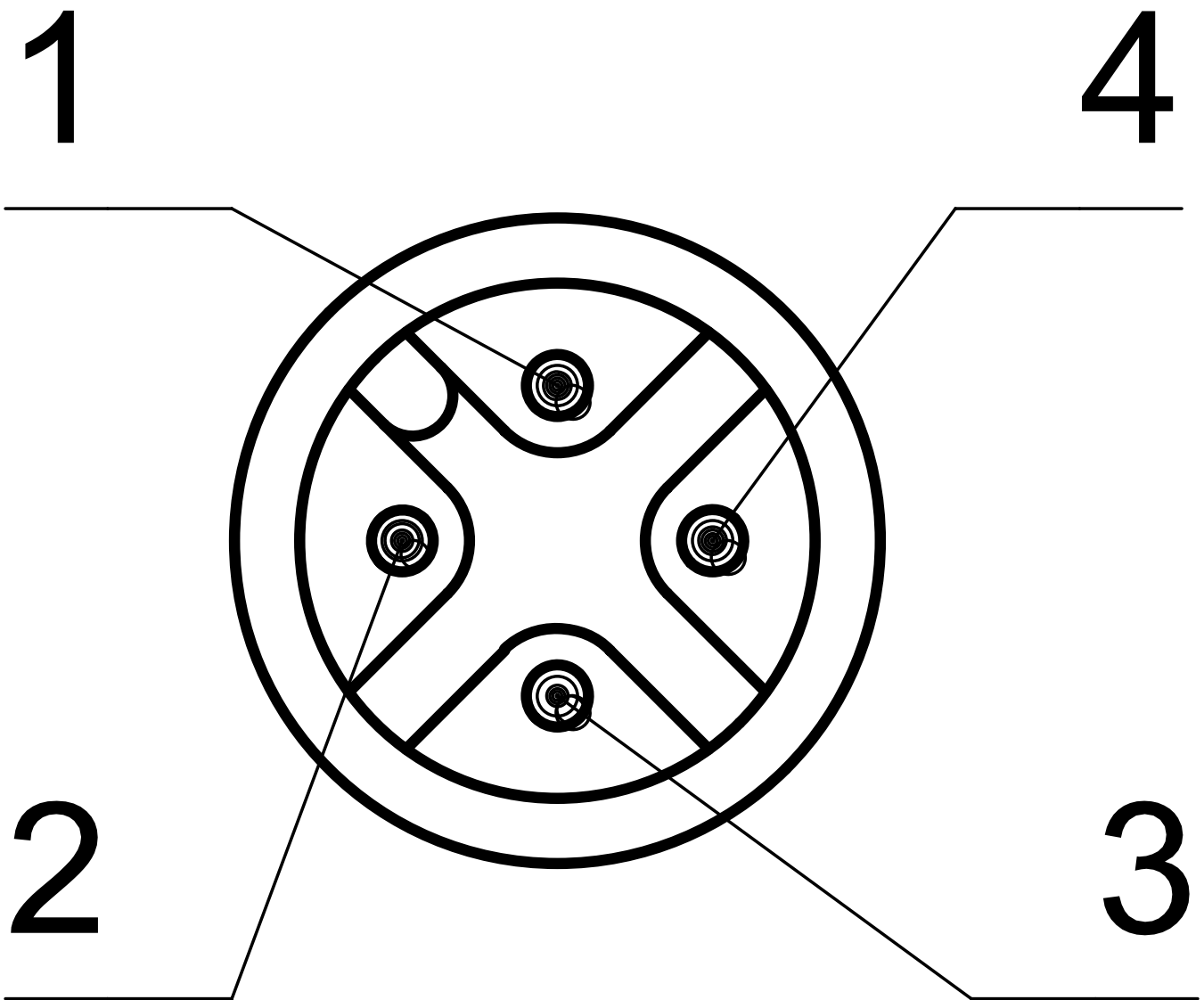
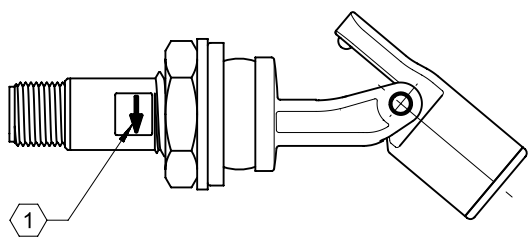


IMAGE 3/12

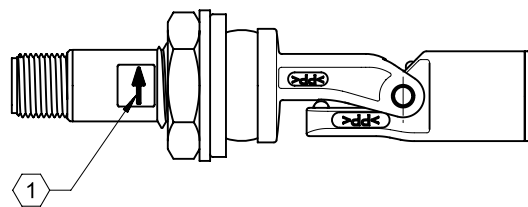


204KS0.C.....  
204KS1.C.....

3 ——— 1

204KS2.C.....

3 ——— 4  
3 ——— 1



204KS0.C.....  
204KS1.C.....

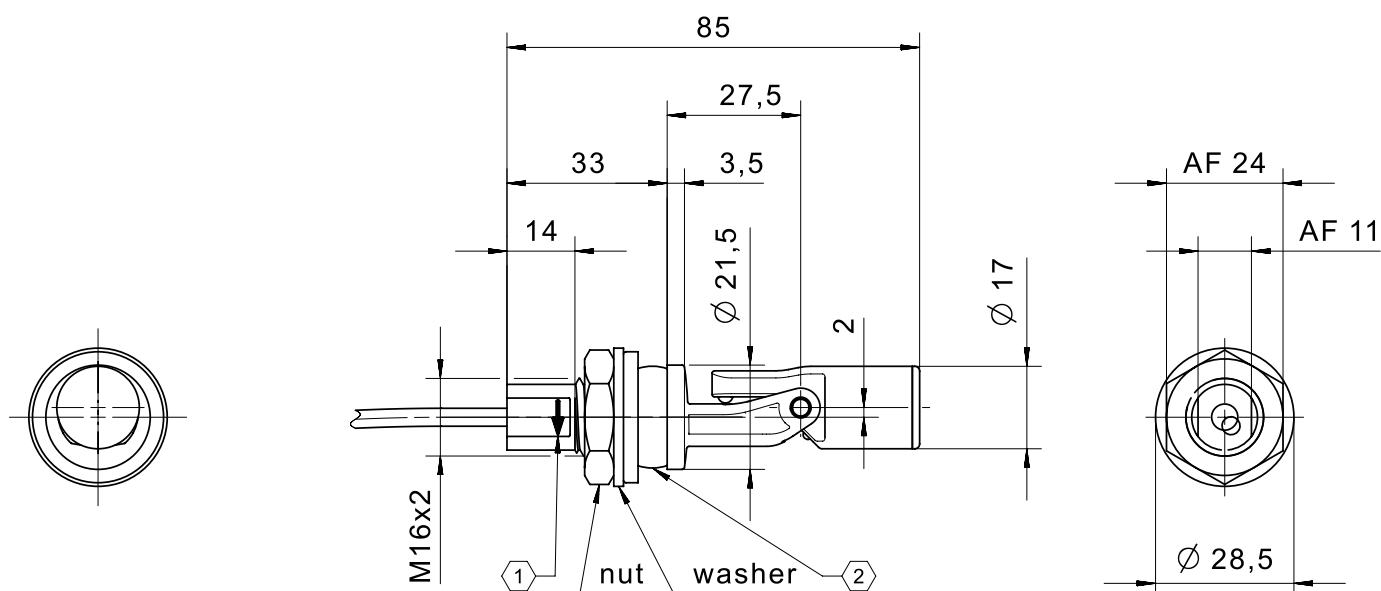
3 ——— 1

204KS2.C.....

3 ——— 4  
3 ——— 1

IMAGE 4/12

204KS..D.....



① marking for mounting position

② compression grommet for  
maximum wall thickness 3  
and hole  $\varnothing 22$  till  $\varnothing 23$

IMAGE 5/12

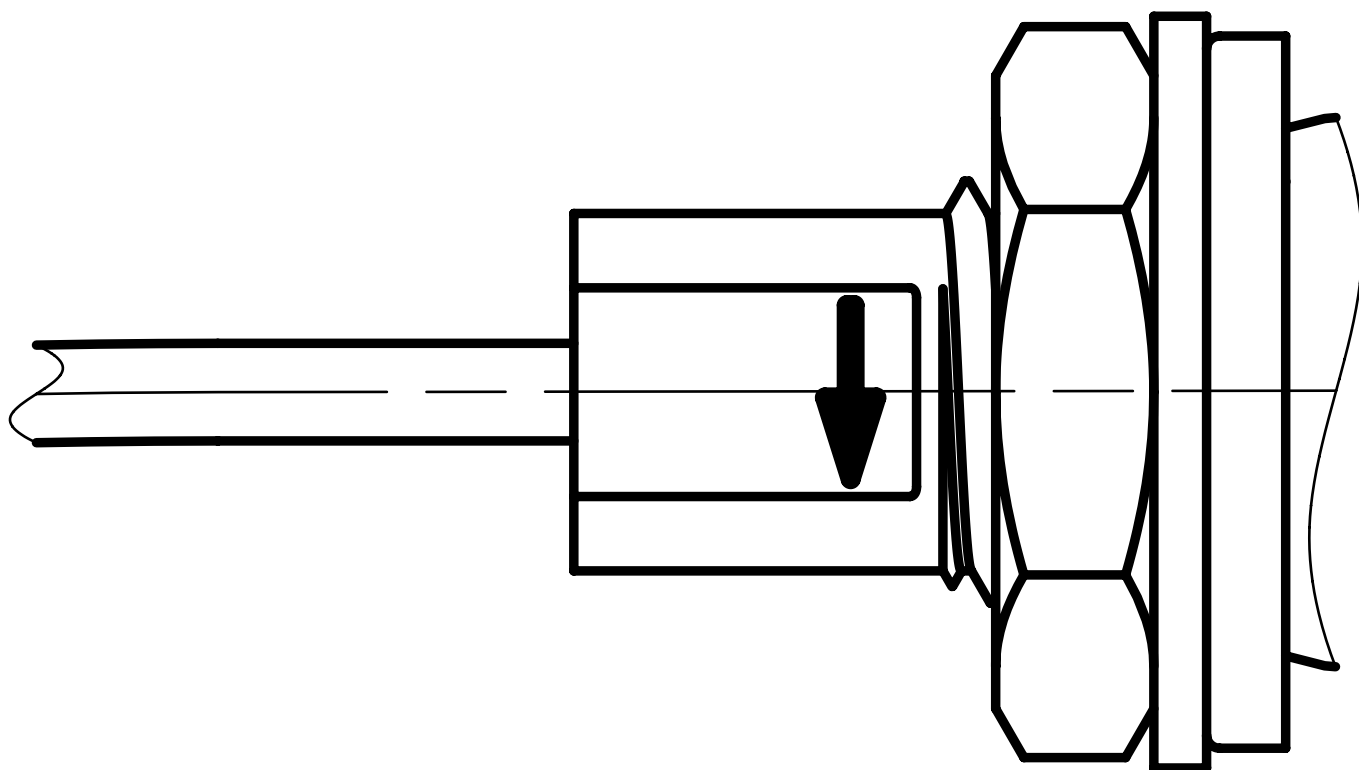
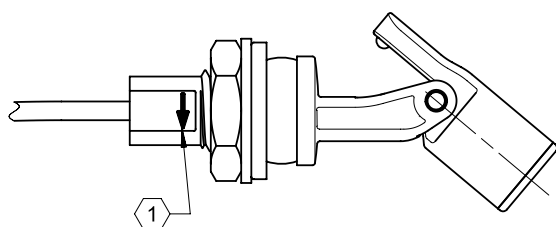


IMAGE 6/12

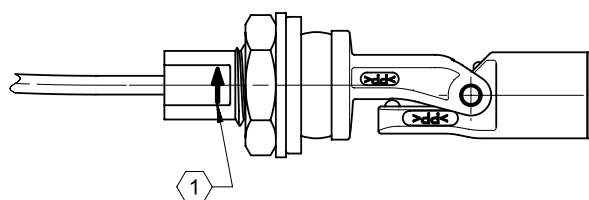


204KS0.D.....  
204KS1.D.....

BN ———— WH

204KS2.D.....

BN ———— GN  
                  WH



204KS0.D.....  
204KS1.D.....

BN ———— WH

204KS2.D.....

BN ———— GN  
                  WH

IMAGE 7/12

204KS..E.....

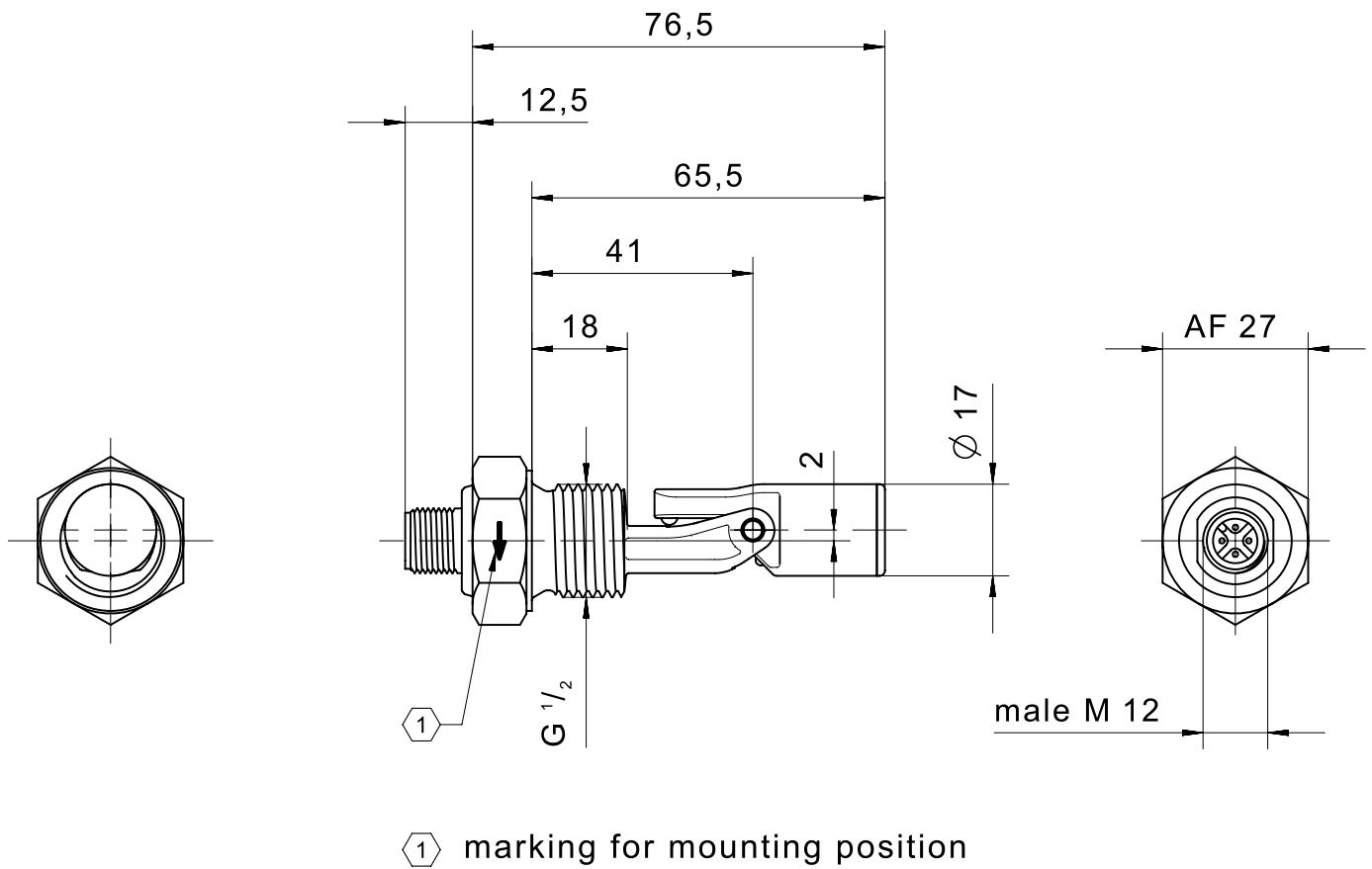


IMAGE 8/12

# male M12

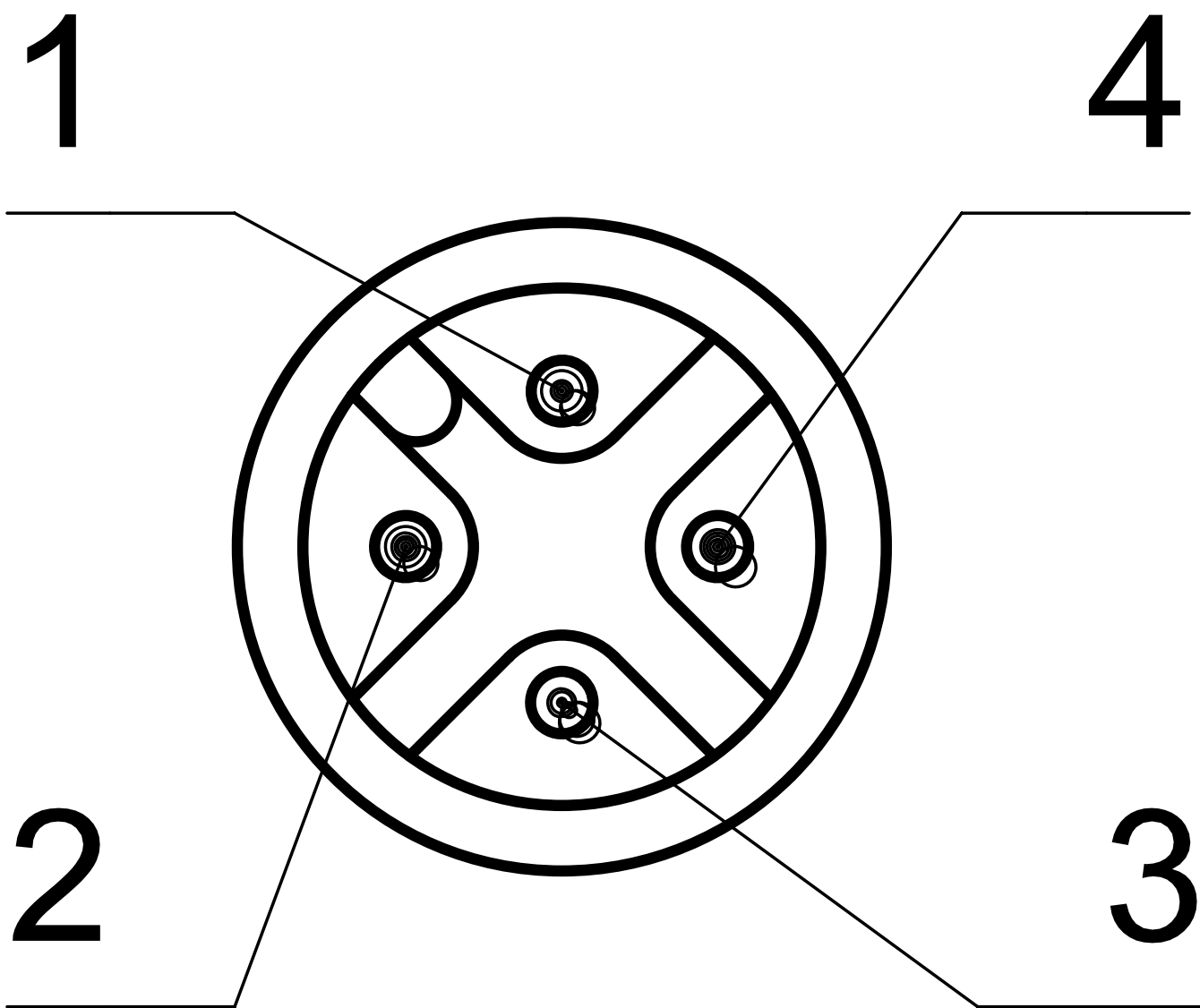
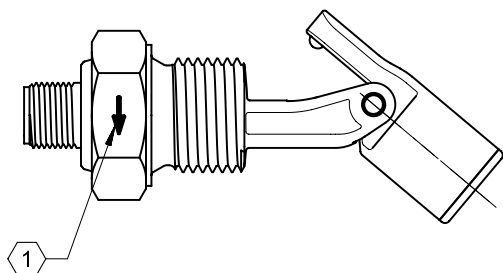
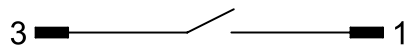


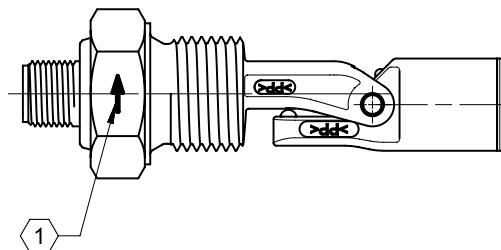
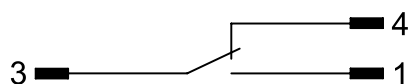
IMAGE 9/12



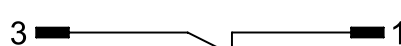
204KS0.E.....  
204KS1.E.....



204KS2.E.....



204KS0.E.....  
204KS1.E.....



204KS2.E.....

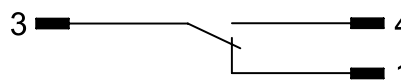
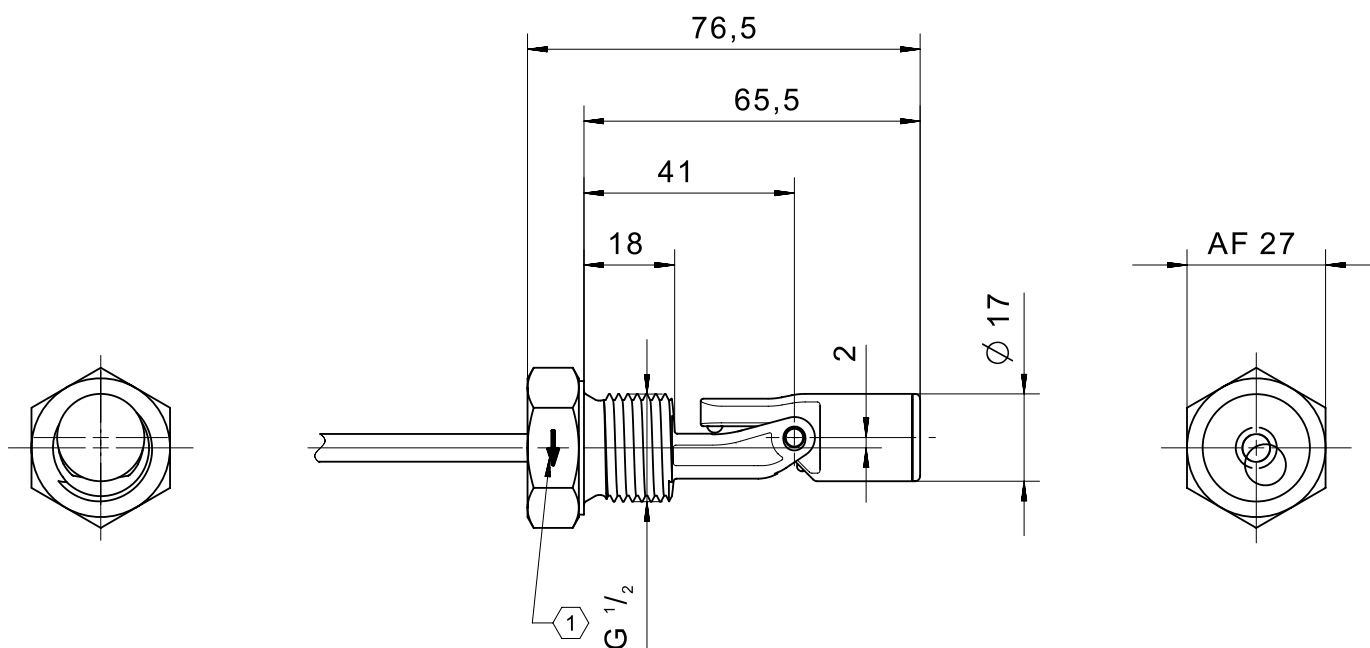



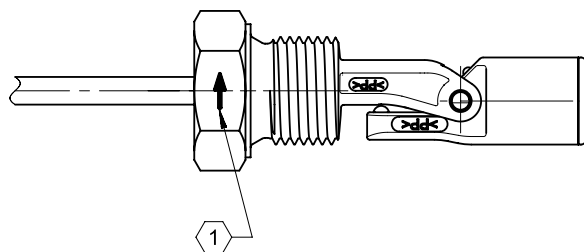
IMAGE 10/12

204KS..G.....



 marking for mounting position





## Product options

IMAGE 1/1

### ORDERING KEY

| 204KS |   |   |   |   |    |     | Float switch side mount, short, mechanical hinge                  |                                |
|-------|---|---|---|---|----|-----|---|--------------------------------|
|       |   |   |   |   |    |     | <b>Contact form</b>   |                                |
|       | 1 |   |   |   |    |     | N.O. / N.C. max. 250 V  |                                |
|       | 2 |   |   |   |    |     | C.O. max. 48V   |                                |
|       |   |   |   |   |    |     |   |                                |
|       |   |   |   |   |    |     | <b>Housing material</b>   |                                |
|       |   | 2 |   |   |    |     | PP  |                                |
|       |   | 4 |   |   |    |     | PA12  |                                |
|       |   |   |   |   |    |     |   |                                |
|       |   |   |   |   |    |     | <b>Connections</b>  |                                |
|       |   |   | C |   |    |     | Connection thread M16x2, M12 connector, compression grommet       |                                |
|       |   |   | D |   |    |     | Connection thread M16x2, cable connection 1m, compression grommet |                                |
|       |   |   | E |   |    |     | Connection thread G1/2, M12 connector                             |                                |
|       |   |   | G |   |    |     | Connection thread G1/2, cable connection 1m                       |                                |
|       |   |   |   |   |    |     |   |                                |
|       |   |   |   |   |    |     | <b>Material of compression grommet</b>                            |                                |
|       |   |   |   | 0 |    |     | No seal*  | * Only for connections E and G |
|       |   |   |   | T |    |     | TPE (Santoprene)  |                                |
|       |   |   |   |   |    |     |   |                                |
|       |   |   |   |   |    |     | <b>Material of cable sheath</b>                                   |                                |
|       |   |   |   |   | 1H |     | PVC, cable length 1m*   | * Only for connections D and G |
|       |   |   |   |   | 00 |     | Only if selected with M12 connector*                              | * Only for connections C and E |
|       |   |   |   |   |    |     |   |                                |
|       |   |   |   |   |    |     | <b>Other cable lengths*</b>                                       | * Only for connections D and G |
|       |   |   |   |   |    | -3  | Cable length 3m   |                                |
|       |   |   |   |   |    | -5  | Cable length 5m   |                                |
|       |   |   |   |   |    | -10 | Cable length 10m  |                                |

#### Optional

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

## Article characteristics

| Attribute                          | 204KS12CT00                     | 204KS12DT1H | 204KS12E000 | 204KS12G01H | 204KS14CT00         | 204KS14DT1H ▶ |
|------------------------------------|---------------------------------|-------------|-------------|-------------|---------------------|---------------|
| Max. switching voltage             | 250 V DC                        |             |             |             |                     |               |
| Max. switching voltage             | 250 V AC                        |             |             |             |                     |               |
| Max. switching current             | 1 A                             |             |             |             |                     |               |
| Max. switching power               | 50 W                            |             |             |             |                     |               |
| Contact form                       | 1A or 1B                        |             |             |             |                     |               |
| Output signal                      | digital                         |             |             |             |                     |               |
| Technology                         | Reed                            |             |             |             |                     |               |
| Float diameter                     | 17 mm                           |             |             |             |                     |               |
| Version                            | Mechanical hinge, small version |             |             |             |                     |               |
| Housing material                   | PP                              |             |             |             | PA12                |               |
| Float material                     | PP                              |             |             |             | PA12                |               |
| Cable material                     | -                               | PVC         | -           | PVC         | -                   | PVC           |
| 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               |             |             |             |                     |               |
| Mounting type                      | Compression grommet             |             | Thread      |             | Compression grommet |               |
| Thread                             | -                               |             | G 1/2       |             | -                   |               |
| Installation opening               | D22-23                          |             | G1/2        |             | D22-23              |               |
| Connector type                     | M12                             | -           | M12         | -           | M12                 | -             |
| Cable length                       | -                               | 1 m         | -           | 1 m         | -                   | 1 m           |

## Article characteristics

| Attribute                          | 204KS14E000                     | 204KS14G01H | 204KS22CT00         | 204KS22DT1H | 204KS22E000 | 204KS22G01H ▶ |
|------------------------------------|---------------------------------|-------------|---------------------|-------------|-------------|---------------|
| Max. switching voltage             | 250 V DC                        |             | 48 V DC             |             |             |               |
| Max. switching voltage             | 250 V AC                        |             | 48 V AC             |             |             |               |
| Max. switching current             | 1 A                             |             | 0.5 A               |             |             |               |
| Max. switching power               | 50 W                            |             | 10 W                |             |             |               |
| Contact form                       | 1A or 1B                        |             | 1C                  |             |             |               |
| Output signal                      | digital                         |             |                     |             |             |               |
| Technology                         | Reed                            |             |                     |             |             |               |
| Float diameter                     | 17 mm                           |             |                     |             |             |               |
| Version                            | Mechanical hinge, small version |             |                     |             |             |               |
| Housing material                   | PA12                            |             | PP                  |             |             |               |
| Float material                     | PA12                            |             | PP                  |             |             |               |
| Cable material                     | -                               | PVC         | -                   | PVC         | -           | PVC           |
| 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               |             |                     |             |             |               |
| Mounting type                      | Thread                          |             | Compression grommet |             | Thread      |               |
| Thread                             | G 1/2                           |             | -                   |             | G 1/2       |               |
| Installation opening               | G1/2                            |             | D22-23              |             | G1/2        |               |
| Connector type                     | M12                             | -           | M12                 | -           | M12         | -             |
| Cable length                       | -                               | 1 m         | -                   | 1 m         | -           | 1 m           |

## Article characteristics

| Attribute                          | 204KS24CT00                     | 204KS24DT1H | 204KS24E000 | 204KS24G01H |
|------------------------------------|---------------------------------|-------------|-------------|-------------|
| Max. switching voltage             | 48 V DC                         |             |             |             |
| Max. switching voltage             | 48 V AC                         |             |             |             |
| Max. switching current             | 0.5 A                           |             |             |             |
| Max. switching power               | 10 W                            |             |             |             |
| Contact form                       | 1C                              |             |             |             |
| Output signal                      | digital                         |             |             |             |
| Technology                         | Reed                            |             |             |             |
| Float diameter                     | 17 mm                           |             |             |             |
| Version                            | Mechanical hinge, small version |             |             |             |
| Housing material                   | PA12                            |             |             |             |
| Float material                     | PA12                            |             |             |             |
| Cable material                     | -                               | PVC         | -           | PVC         |
| 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               |             |             |             |
| Mounting type                      | Compression grommet             |             | Thread      |             |
| Thread                             | -                               |             | G 1/2       |             |
| Installation opening               | D22-23                          |             | G1/2        |             |
| Connector type                     | M12                             | -           | M12         | -           |
| Cable length                       | -                               | 1 m         | -           | 1 m         |