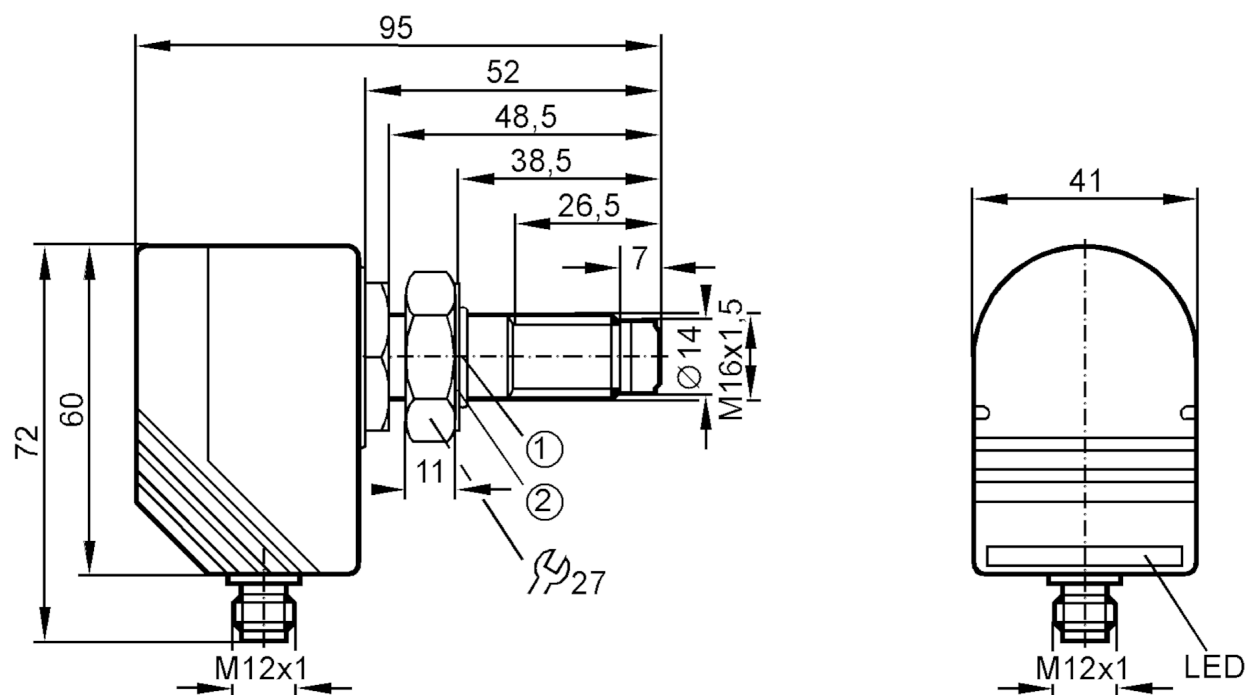


## Flow sensor

SAM16BBD1OOG/W/US-100

Article no longer available - archive entry



- 1 O-ring  
2 compression washer



## Product characteristics

|                    |           |
|--------------------|-----------|
| Process connection | M16 x 1,5 |
|--------------------|-----------|

## Application

|                         |                 |
|-------------------------|-----------------|
| Design                  | for pipes DN 25 |
| Media                   | water           |
| Medium temperature [°C] | 0...80          |
| Pressure rating [bar]   | 30              |

## Electrical data

|                          |                           |
|--------------------------|---------------------------|
| Operating voltage [V]    | 20...28 DC                |
| Current consumption [mA] | < 80                      |
| Power-on delay time [s]  | 15; (optically indicated) |

## Outputs

|                              |                      |
|------------------------------|----------------------|
| Output signal                | analogue signal      |
| Analogue current output [mA] | 4...20; (linearised) |
| Max. load [Ω]                | 500                  |
| Analogue voltage output [V]  | ; (linearised)       |
| Short-circuit protection     | no                   |

## Measuring/setting range

|                   |          |
|-------------------|----------|
| Flow range [cm/s] | 50...250 |
|-------------------|----------|



## Flow sensor

SAM16BBD1OOG/W/US-100

| Accuracy / deviations                                                                          |                                                                                       |                                                   |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------|
| Note on repeatability                                                                          | 7 (v < 150 cm/s), 3 (v < 50 cm/s)                                                     |                                                   |
| Temperature gradient [K/min]                                                                   | 200                                                                                   |                                                   |
| Measuring error [% of the final value]                                                         | max. ± 10 (< 200 cm/s)                                                                |                                                   |
| Response times                                                                                 |                                                                                       |                                                   |
| Response time [s]                                                                              | 5; (10%...90%)                                                                        |                                                   |
| Operating conditions                                                                           |                                                                                       |                                                   |
| Ambient temperature [°C]                                                                       | -20...60                                                                              |                                                   |
| Protection                                                                                     | IP 67                                                                                 |                                                   |
| Mechanical data                                                                                |                                                                                       |                                                   |
| Dimensions [mm]                                                                                | M16 x 1.5                                                                             |                                                   |
| Thread designation                                                                             | M16 x 1.5                                                                             |                                                   |
| Materials                                                                                      | PBT-GF20                                                                              |                                                   |
| Materials (wetted parts)                                                                       | stainless steel (316L/1.4404); stainless steel (316Ti/1.4571); O-ring: NBR 70 Shore A |                                                   |
| Process connection                                                                             | M16 x 1,5                                                                             |                                                   |
| Displays / operating elements                                                                  |                                                                                       |                                                   |
| Display                                                                                        | function                                                                              | 10 x LED, green Resolution 10% of the final value |
| Remarks                                                                                        |                                                                                       |                                                   |
| Pack quantity                                                                                  | 1 pcs.                                                                                |                                                   |
| Electrical connection                                                                          |                                                                                       |                                                   |
| Connector: 1 x M12; coding: A                                                                  |                                                                                       |                                                   |
| <div></div> |                                                                                       |                                                   |

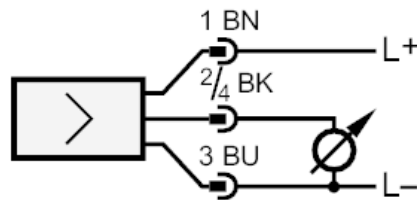
# SA0502



## Flow sensor

SAM16BBD1OOG/W/US-100

### Connection



|      |                |
|------|----------------|
| BN = | Core colours : |
| BU = | brown          |
| BK = | blue           |
| WH = | black          |
|      | white          |