

# SA1000



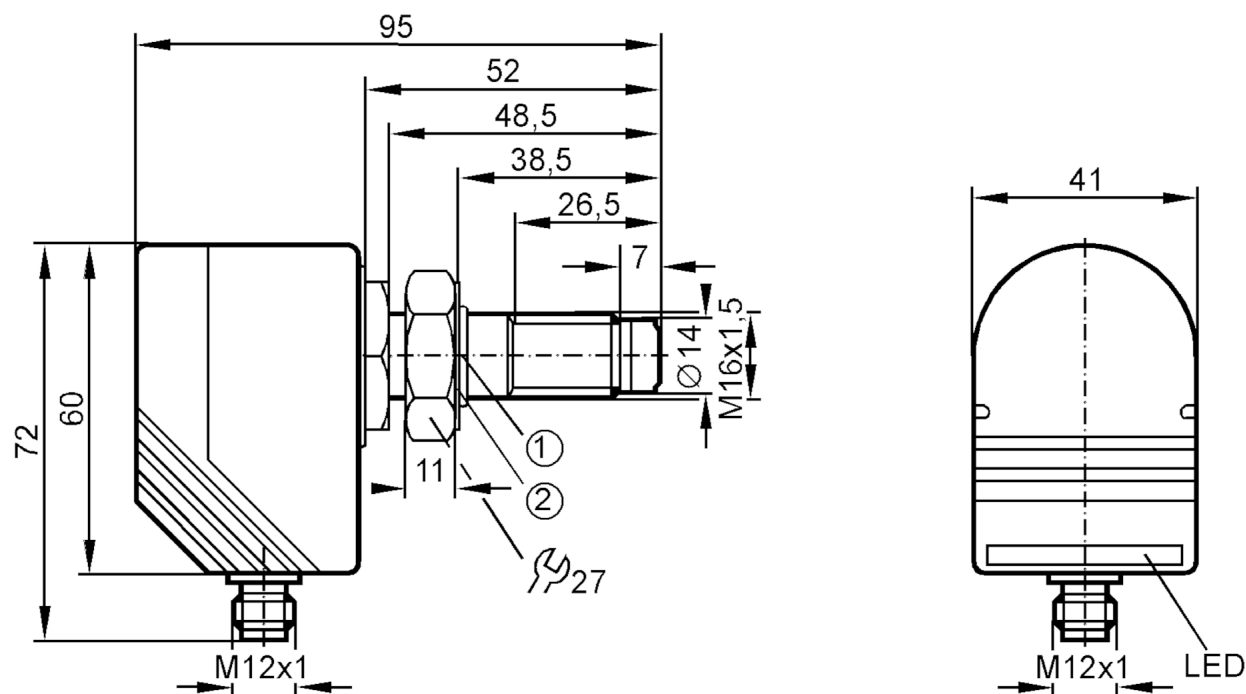
## Flow sensor

SAM16BBD100G/W/US

Article no longer available - archive entry

Alternative articles: SA5000

When selecting an alternative article and accessories please note that technical data may differ!



- 1 O-ring
- 2 compression washer



### Product characteristics

Process connection M16 x 1,5

### Application

Design for pipes DN 40...DN 100

Media water

Note on media  
Clean water without contamination and additives.  
Dirt/build-up on the sensor tip affects the measurement accuracy.  
Check the sensor tip for build-up from time to time.  
If necessary, clean with a soft cloth and a vinegar cleansing agent.

Medium temperature [°C] 0...80

Pressure rating [bar] 30

### Electrical data

Operating voltage [V] 20...28 DC; (to SELV/PELV)

Current consumption [mA] < 80

Reverse polarity protection yes

Power-on delay time [s] 15

### Outputs

Output signal analog signal

# SA1000



## Flow sensor

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Analog current output	[mA]	4...20; (linearized)
Max. load	[Ω]	500
Analog voltage output	[V]	; (linearized)
Short-circuit protection		no
Overload protection		yes

### Measuring/setting range

Flow range	[cm/s]	3...150
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### Accuracy / deviations

Note on repeatability		7 (v < 150 cm/s), 3 (v < 50 cm/s)
Max. temperature gradient of medium	[K/min]	200
Measuring error	[% of the final value]	max. ± 10

### Reaction times

Response time	[s]	5; (10%...90%)
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### Operating conditions

Ambient temperature	[°C]	-20...60
Protection		IP 67

### Mechanical data

Weight	[g]	268.8
Dimensions	[mm]	M16 x 1.5
Thread designation		M16 x 1.5
Material		PBT-GF20
Materials (wetted parts)		stainless steel (1.4404 / 316L); stainless steel (1.4571/316Ti ); 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
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### Remarks

Pack quantity		1 pcs.
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### Electrical connection

Connector: 1 x M12; coding: A



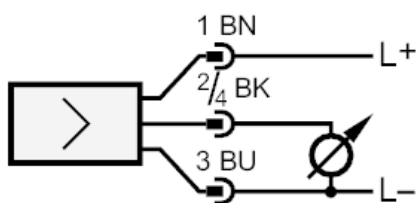
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### Connection



BN =	Core colors :	brown
BU =		blue
BK =		black
WH =		white