

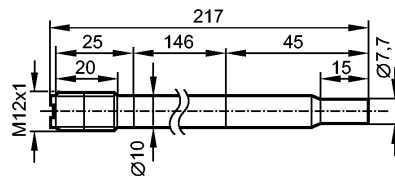


# SF620A

SFG10ABB/2G /US-100



Flow sensors



## Product characteristics

Flow sensor for connection to evaluation units

Quick disconnect

Process connection: Ø 10 mm

Sensor suitable for clamp fitting

Ambient temperature -20...70 °C

ATEX approval

Group II, category 2G

## Application

Application: liquids and gases

Pressure rating [bar]: 30

Medium temperature [°C]: -20...70

## Electrical data

Connection to control monitor: VS2000 Exi (PTB 01 ATEX 2075)

## Measuring / setting range

Liquids

Setting range [cm/s]: 3...300

Greatest sensitivity [cm/s]: 3...60

Gases

Setting range [cm/s]: 200...3000

Greatest sensitivity [cm/s]: 200...800

## Accuracy / deviations

Max. temperature gradient of medium [K/min]: 15

## Reaction times

Response time [s]: 1...10

## Environment

Protection: IP 67

## Tests / approvals

Approval: DMT 03 ATEX E091  
IECEX BVS 06.0007

Marking of the unit: II 2G Ex ia IIC T4 Gb

Shock resistance: DIN IEC 68-2-27: 40 g (11 ms)

Vibration resistance: DIN IEC 68-2-6: 10 g (55...2000 Hz)

MTTF [Years]: 8272

## Safety classification

Internal capacitance [nF]: 0.4

Internal inductance [µH]: 2

Temperature class: T4



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### Mechanical data

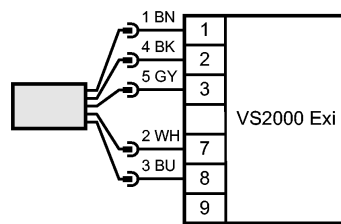
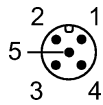
Process connection	Ø 10 mm
Materials (wetted parts)	stainless steel 316L / 1.4404 several parts, welded
Housing materials	stainless steel 316L / 1.4404 several parts, welded
Probe length L [mm]	15...156
Weight [kg]	0.12

### Electrical connection

Connection	M12 connector; gold-plated contacts
Max. cable length [m]	100 (5 x 0.5mm <sup>2</sup> )

### Wiring

- Core colors
- BN brown
  - BU blue
  - BK black
  - WH white
  - GY grey



### Accessories

Accessories (optional)	Clamp adapter E40160 (R $\frac{1}{2}$ ) Clamp adapter E40174 ( $\frac{1}{2}$ "NPT)
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### Remarks

Remarks	In principle, the type test according to 94/9/EC (ATEX) only takes atmospheric conditions (0.8...1.1 bar) into account. For pressures outside this range use must be assessed and approved by the user. Adhere to the operating instructions and the type test certificate.
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Pack quantity [piece]	1
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