

Product characteristics

Flow sensor for connection to evaluation units

Threaded type

Quick disconnect

Process connection: M12 x 1

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...2000

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

Ex 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]

8648

Safety classification

Internal capacitance [nF]

0.4

Internal inductance [µH]

2

Temperature class

T4

Mechanical data

Process connection

M12 x 1

Materials (wetted parts)

stainless steel 316L / 1.4404

Housing materials

stainless steel 316L / 1.4404

Probe length L

[mm]

12

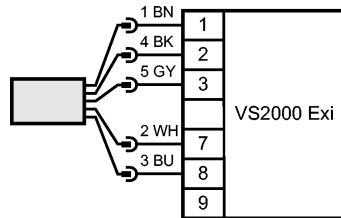
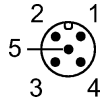
SF120A - Flow sensor for connection to evaluation units - eclass: 27273101 / 27-27-31-01

Installation length EL	[mm]	27
Weight	[kg]	0.105
Electrical connection		
Connection		M12 connector
Max. cable length	[m]	100 (5 x 0.5mm ²)

Wiring

Core colors

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



Remarks

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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.

Pack quantity	[piece]	1
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