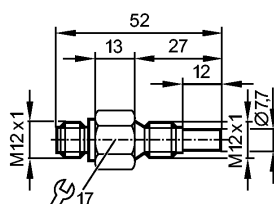


SF120A

SFM12ABB/US/2G

Flow sensors



Made in Germany

Product characteristics

Flow sensor for connection to evaluation units

Threaded type

Connector

Process connection: M12 x 1

Ambient temperature -20...70 °C

ATEX approval

Group II, category 2G

Application

Application liquids and gases

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

Pressure rating [bar] 30

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] 8648

Safety classification

Internal capacitance [nF] 0.4

Internal inductance [μH] 2

SF120A

SFM12ABB/US/2G

Flow sensors

Temperature class	T4
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Mechanical data

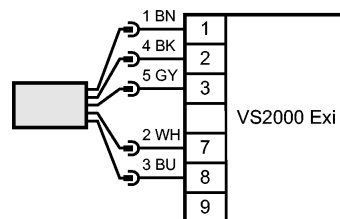
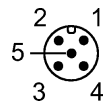
Process connection	M12 x 1
Materials (wetted parts)	stainless steel 316L / 1.4404
Housing materials	stainless steel 316L / 1.4404
Probe length L [mm]	12
Installation length [mm]	27
Weight [kg]	0.256

Electrical connection

Connection	M12 connector
Max. cable length [m]	100 (5 x 0.5mm ²)

Wiring

Core colours
 BN brown
 BU blue
 BK black
 WH white
 GY grey



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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