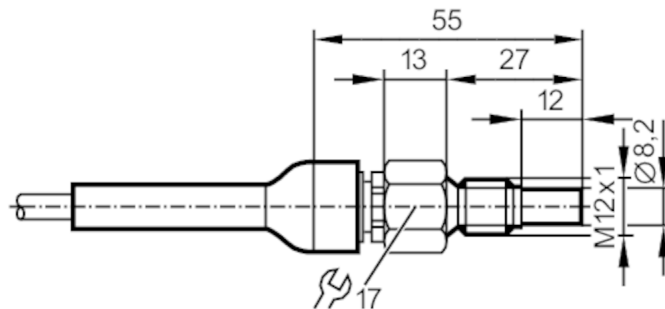


# SF111A



## Flow sensor for connection to an evaluation unit

SFM12ADB/1/2G /6M



### Product characteristics

Probe length L	[mm]	12
Process connection		M12 x 1

### Application

Media		Liquids; Gases
Medium temperature	[°C]	-20...60
Pressure rating	[bar]	300

#### Liquids

Medium temperature	[°C]	-20...60
--------------------	------	----------

#### Gases

Medium temperature	[°C]	-20...60
--------------------	------	----------

### Electrical data

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

### Measuring/setting range

Probe length L	[mm]	12
----------------	------	----

#### 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

Temperature gradient	[K/min]	15
----------------------	---------	----

### Response times

Response time	[s]	1...10
---------------	-----	--------

#### Liquids

Response time	[s]	1...10
---------------	-----	--------

#### Gases

Response time	[s]	1...10
---------------	-----	--------

# SF111A



## Flow sensor for connection to an evaluation unit

SFM12ADB/1/2G /6M

### Operating conditions

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

### Tests / approvals

Approval	DMT 03 ATEX E 090 X; TIIS TC17434; IECEx BVS 11.0017 X	
ATEX marking	 II 1/2G Ex ia IIC T4 Ga/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

### Mechanical data

Weight	[g]	354.5
Housing		threaded type
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Materials		stainless steel (316L/1.4404)
Materials (wetted parts)		stainless steel (316L/1.4404)
Process connection		M12 x 1
Installation length EL	[mm]	27

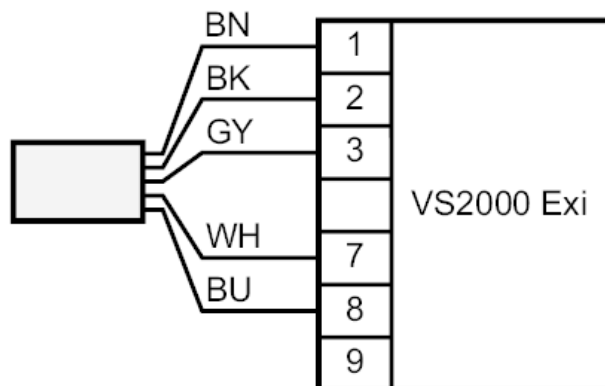
### Remarks

Remarks	In principle, the type test according to 94/9/EC (ATEX) only takes atmospheric conditions into account (0.8...1.1 bar). 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	1 pcs.

### Electrical connection

Cable: 6 m, TPE-S; Maximum cable length: 100 m; 5 x 0.34 mm²

### Connection



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