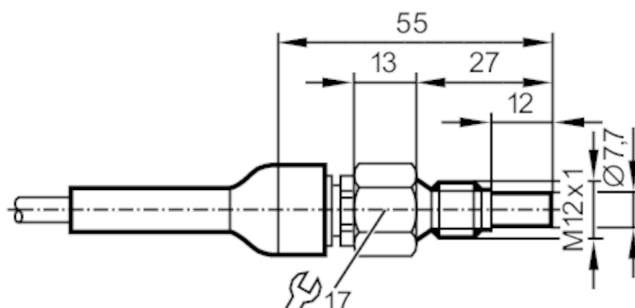


SF121A



Flow sensor for connection to an evaluation unit

SFM12ABB/2G /6M



Product characteristics

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

Application

Media		Liquids; Gases
Medium temperature	[°C]	-20...70
Pressure rating	[bar]	30

Liquids

Medium temperature	[°C]	-20...70
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Gases

Medium temperature	[°C]	-20...70
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Electrical data

Connection to control monitor		VS2000 Exi (PTB 01 ATEX 2075)
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Measuring/setting range

Probe length L	[mm]	12
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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
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Response times

Response time	[s]	1...10
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Liquids

Response time	[s]	1...10
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Gases


Response time	[s]	1...10
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SF121A



Flow sensor for connection to an evaluation unit

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Operating conditions		
Ambient temperature	[°C]	-20...70
Protection		IP 67
Tests / approvals		
Approval		DMT 03 ATEX E091; IECEX BVS 06.0007
ATEX marking		 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	[ANN]	8648
Safety classification		
Max. internal capacitance	[nF]	1.2
Max. internal inductance	[µH]	6
Temperature class		T4
Mechanical data		
Weight	[g]	346
Housing		threaded type
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Materials		stainless steel (1.4404 / 316L)
Materials (wetted parts)		stainless steel (1.4404 / 316L)
Process connection		M12 x 1
Installation length EL	[mm]	27
Remarks		
Remarks		<p>In principle, the type test according to 94/9/EC (ATEX) only takes atmospheric conditions into account (0.8...1.1 bar).</p> <p>For pressures outside this range use must be assessed and approved by the user.</p> <p>Adhere to the operating instructions and the type test certificate.</p>
Pack quantity		1 pcs.

SF121A



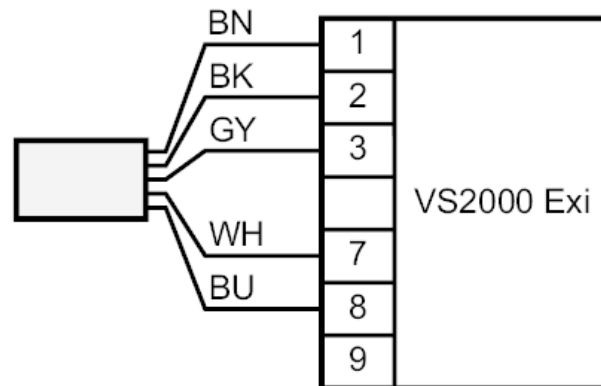
Flow sensor for connection to an evaluation unit

SFM12ABB/2G /6M

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