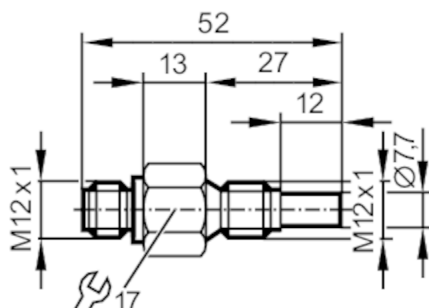


SF120A



Flow sensor for connection to an evaluation unit

SFM12ABB/US/2G



Product characteristics

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

Application

Media	Liquids; Gases	
Medium temperature	[°C]	-20...70
Pressure rating	30 bar	3 MPa

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

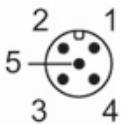
Response time	[s]	1...10
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SF120A



Flow sensor for connection to an evaluation unit

SFM12ABB/US/2G

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	[years]	8648
Safety classification		
Max. internal capacitance	[nF]	0.4
Max. internal inductance	[µH]	2
Temperature class		T4
Mechanical data		
Weight	[g]	111.5
Housing		cylindrical
Materials		stainless steel (316L/1.4404)
Materials (wetted parts)		stainless steel (316L/1.4404)
Process connection		threaded connection M12 x 1 external thread
Probe diameter	[mm]	7.7
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		
Connector: 1 x M12; coding: A; Maximum cable length: 100 m		
		

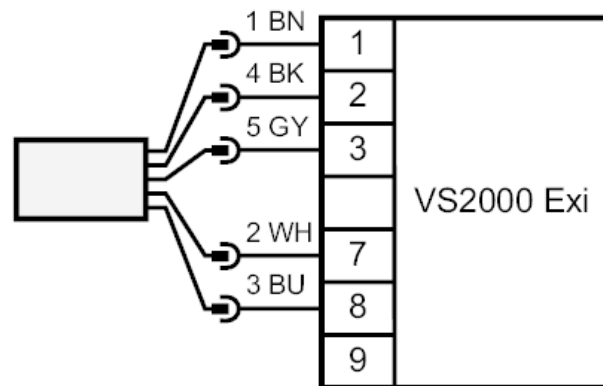
SF120A



Flow sensor for connection to an evaluation unit

SFM12ABB/US/2G

Connection



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