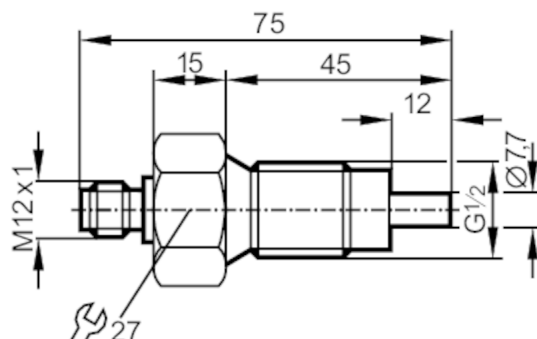


SF320A



Flow sensor for connection to an evaluation unit

SFR12ABB/US/2G



Product characteristics

Probe length L	[mm]	12
Process connection		G 1/2 external thread

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
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


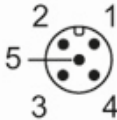
Response time	[s]	1...10
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SF320A



Flow sensor for connection to an evaluation unit

SFR12ABB/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]	218.5
Housing		threaded type
Materials		stainless steel (1.4404 / 316L)
Materials (wetted parts)		stainless steel (1.4404 / 316L)
Process connection		G 1/2 external thread
Installation length EL	[mm]	45
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		
		

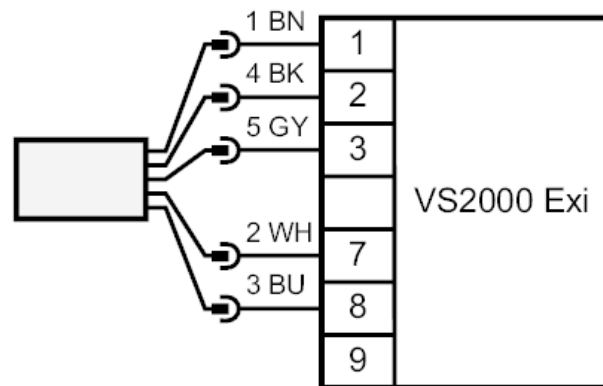
SF320A



Flow sensor for connection to an evaluation unit

SFR12ABB/US/2G

Connection



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