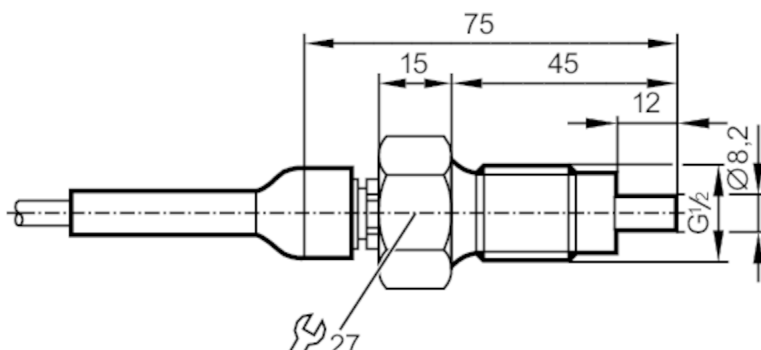


SF311A



Flow sensor for connection to an evaluation unit

SFR12ADB/1/2G /6M



Product characteristics

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

Application

Media		Liquids; Gases
Medium temperature	[°C]	-20...60
Pressure rating	300 bar	30 MPa

Liquids

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

Medium temperature	[°C]	-20...60
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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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SF311A



Flow sensor for connection to an evaluation unit

SFR12ADB/1/2G /6M

Operating conditions		
Ambient temperature	[°C]	-20...60
Storage temperature	[°C]	-20...85
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/Gb4	
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]	1.2
Max. internal inductance	[μH]	6
Temperature class		T4
Mechanical data		
Weight	[g]	467
Housing		cylindrical
Materials		stainless steel (316L/1.4404)
Materials (wetted parts)		stainless steel (316L/1.4404)
Process connection		threaded connection G 1/2 external thread
Probe diameter	[mm]	8.2
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.

SF311A



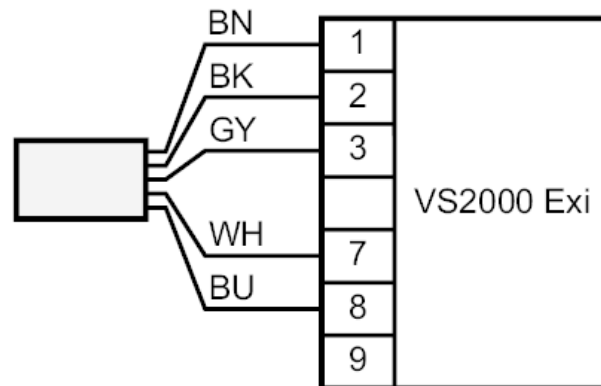
Flow sensor for connection to an evaluation unit

SFR12ADB/1/2G /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