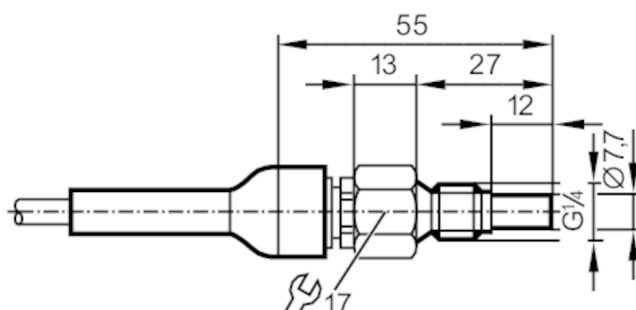


SF221A



Flow sensor for connection to an evaluation unit

SFR14ABB/2G /6M



Product characteristics

Probe length L	[mm]	12
Process connection	threaded connection G 1/4 external thread	

Application

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

Liquids

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

Gases

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

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

Max. temperature gradient of medium	[K/min]	15
-------------------------------------	---------	----

Reaction times

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

Liquids

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

Gases

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

SF221A



Flow sensor for connection to an evaluation unit

SFR14ABB/2G /6M

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]	1.2
Max. internal inductance	[µH]	6
Temperature class		T4
Mechanical data		
Weight	[g]	350
Housing		tubular
Material		stainless steel (1.4404 / 316L)
Materials (wetted parts)		stainless steel (1.4404 / 316L)
Process connection		threaded connection G 1/4 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.

SF221A



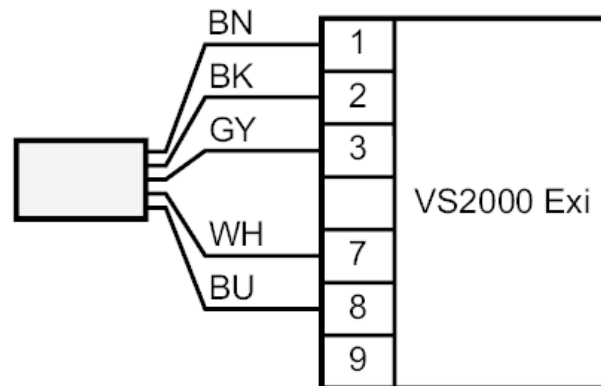
Flow sensor for connection to an evaluation unit

SFR14ABB/2G /6M

Electrical connection

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

Connection



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