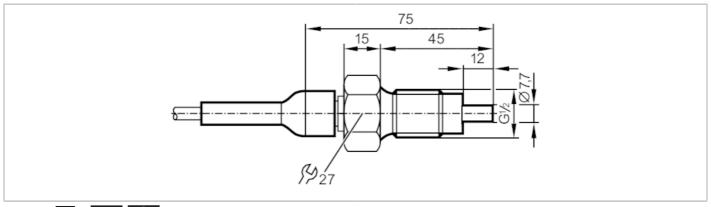
SF321A

Flow sensor for connection to an evaluation unit



SFR12ABB/2G





Probe length L [mm] 12 Process connection G 1/2 external thread Application Identify (asses) Media Liquids; Gases Medium temperature [°C] -2070 Pressure rating [bar] 30 Liquids Medium temperature [°C] -2070 Gases Medium temperature [°C] -2070 Electrical data VS2000 Exi (PTB 01 ATEX 2075) Connection to control monitor VS2000 Exi (PTB 01 ATEX 2075) Measuring/setting range [cm/s] 3300 Greatest sensitivity [cm/s] 3300 Greatest sensitivity [cm/s] 360 Gases Setting range [cm/s] 2002000 Greatest sensitivity [cm/s] 2002000 Greatest sensitivity [cm/s] 16 Response times [s] 110 Liquids Response time [s] 110	Product characteristics		
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Response time [s] 110 Gases	Response time	[s]	110
Gases	Liquids		
	Response time	[s]	110
Response time [s] 1 10	Gases		
	Response time	[s]	110

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Operating conditions			
Ambient temperature	[°C]	-2070	
Protection		IP 67	
Tests / approvals			
Approval		DMT 03 ATEX E091; IECEX BVS 06.0007	
ATEX marking		⟨Ex⟩ 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 (552000 Hz)	
MTTF	[years]	8648	
Safety classification			
Max. internal capacitance	[nF]	1.2	
Max. internal inductance	[μH]	6	
Temperature class		T4	
Mechanical data			
Weight	[g]	456	
Housing		threaded type	
Materials		stainless steel (316L/1.4404)	
Materials (wetted parts)		stainless steel (316L/1.4404)	
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 (0.81.1 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.	

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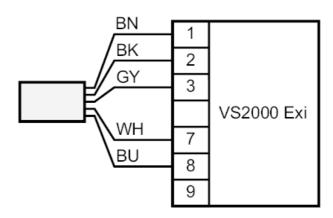




Electrical connection

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