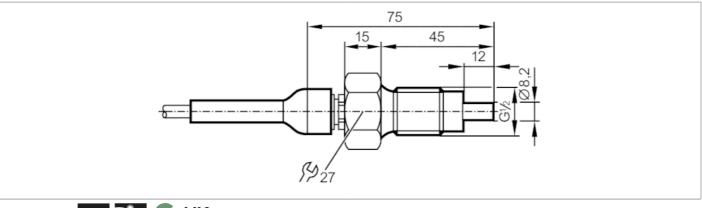
SF311A

Flow sensor for connection to an evaluation unit



SFR12ADB/1/2G /6M





Product characteristics	S			
Probe length L	[mm]	12		
Process connection		G 1/2 external thread		
Application				
Media		Liquids; Gases		
Medium temperature	[°C]	-2060		
Pressure rating	[bar]	300		
Liquids				
Medium temperature	[°C]	-2060		
Gases				
Medium temperature	[°C]	-2060		
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]	3300		
Greatest sensitivity	[cm/s]	360		
Gases				
Setting range	[cm/s]	2002000		
Greatest sensitivity	[cm/s]	200800		
Accuracy / deviations				
Temperature gradient	[K/min]	15		
Response times				
Response time	[S]	110		
Liquids				
Response time	[S]	110		
Gases				

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Operating conditions				
Ambient temperature	[°C]	-2060		
Storage temperature	[°C]	-2085		
Protection		IP 67		
Tests / approvals				
Approval		DMT 03 ATEX E 090 X; TIIS TC17434; IECEx BVS 11.0017 X		
ATEX marking		$\langle E_x \rangle$ 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 (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]	467		
Housing		threaded type		
Materials		stainless steel (stainless steel (1.4404 / 316L)	
Materials (wetted parts)		stainless steel (1.4404 / 316L)		
Process connection		G 1/2 external thread		
Installation length EL	[mm]	4	5	
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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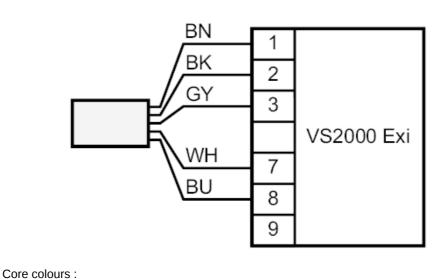


SFR12ADB/1/2G /6M

Electrical connection

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

Connection



BN =	brown
BU =	blue
ВК =	black
WH =	white
GY =	grey