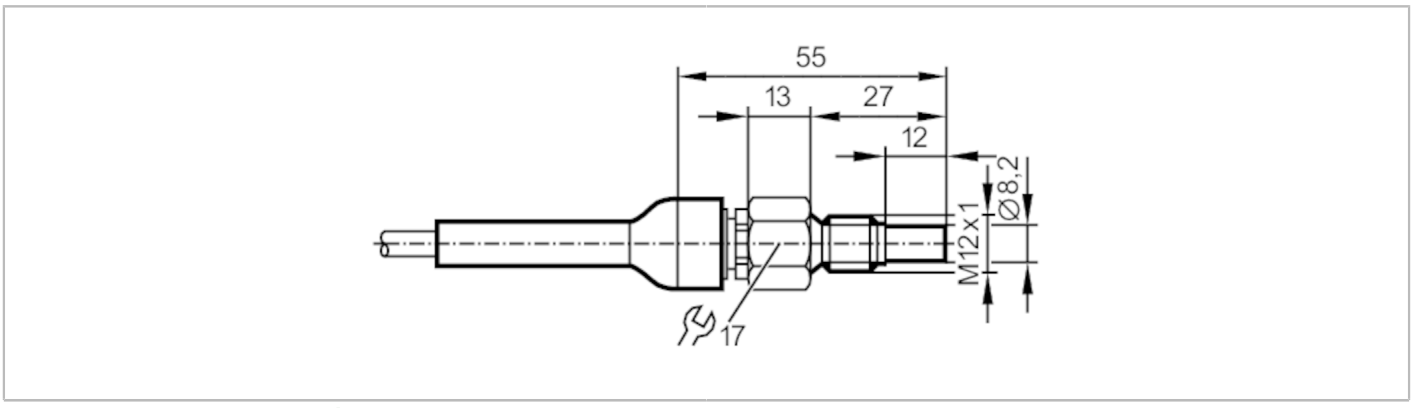
SF111A

Flow sensor for connection to an evaluation unit

SFM12ADB/1/2G /6M



Product characteristics		
Probe length L	[mm]	12
Process connection		M12 x 1
Application		
Media		Liquids; Gases
Medium temperature	[°C]	-20...60
Pressure rating	[bar]	300
Liquids		
Medium temperature	[°C]	-20...60
Gases		
Medium temperature	[°C]	-20...60
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

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Operating conditions			
Ambient temperature	[°C]	-20...60	
Protection		IP 67	
Tests / approvals			
Approval		DMT 03 ATEX E 090 X; TIIS TC17434; IECEx BVS 11.0017 X	
ATEX marking		Ex II 1/2G Ex ia IIC T4 Ga/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	
Mechanical data			
Weight	[g]	354.5	
Housing		Threaded type	
Dimensions	[mm]	M12 x 1	
Thread designation		M12 x 1	
Material		stainless steel (1.4404 / 316L)	
Materials (wetted parts)		stainless steel (1.4404 / 316L)	
Process connection		M12 x 1	
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.	

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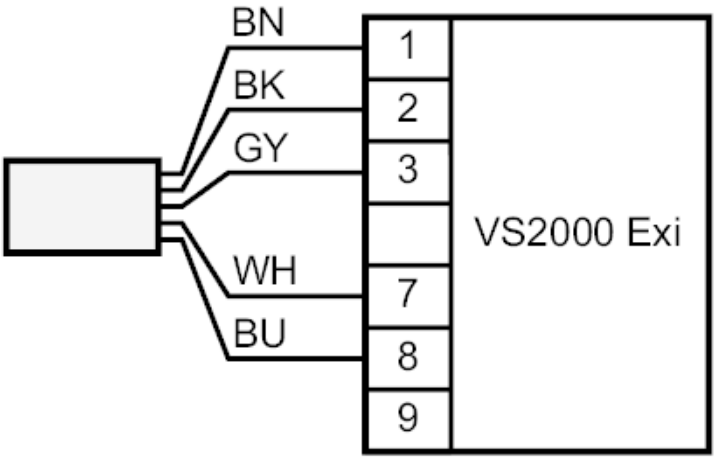
Electrical connection

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