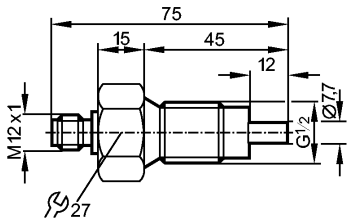
SF320A

SFR12ABB/US/2G

Flow sensors



Product characteristics		
Flow sensor for connection to evaluation units		
Threaded type		
Quick disconnect		
Process connection: G ½ A		
Ambient temperature -20...70 °C		
ATEX approval		
Group II, category 2G		
Application		
Application		liquids and gases
Pressure rating	[bar]	30
Medium temperature	[°C]	-20...70
Electrical data		
Connection to control monitor		VS2000 Exi (PTB 01 ATEX 2075)
Measuring / setting range		
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
Environment		
Protection		IP 67
Tests / approvals		
Approval		DMT 03 ATEX E091 IECEX BVS 06.0007
Marking of the unit		Ⓔx 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		
Internal capacitance	[nF]	0.4
Internal inductance	[µH]	2

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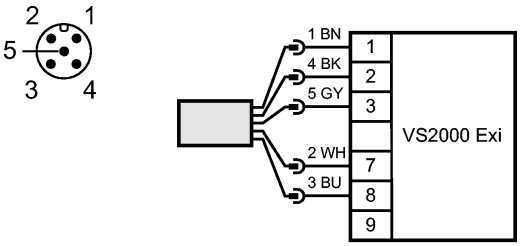
Temperature class		T4
Mechanical data		
Process connection		G ½ A
Materials (wetted parts)		stainless steel 316L / 1.4404
Housing materials		stainless steel 316L / 1.4404
Probe length L	[mm]	12
Installation length EL	[mm]	45
Weight	[kg]	0.241
Electrical connection		
Connection		M12 connector
Max. cable length	[m]	100 (5 x 0.5mm²)

Wiring

Core colors

BN	brown
BU	blue
BK	black
WH	white
GY	grey



Remarks		
Remarks		In principle, the type test according to 94/9/EC (ATEX) only takes atmospheric conditions (0.8...1.1 bar) into account. 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	[piece]	1