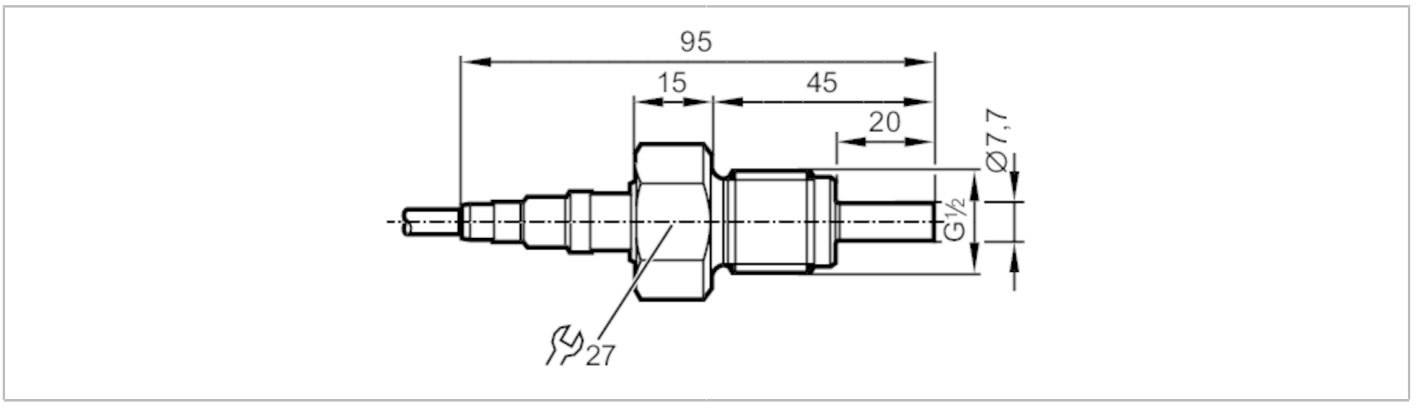
SP321A

Flow sensor for connection to an evaluation unit

SPR12ABB/2G/6M



Product characteristics		
Process connection		G 1/2 external thread
Application		
Media		Liquids; Gases
Medium temperature	[°C]	-20...70
Pressure rating	[bar]	30
Liquids		
Medium temperature	[°C]	-20...70
Gases		
Medium temperature	[°C]	-20...70
Electrical data		
Connection to control monitor		VS4000
Measuring/setting range		
Liquids		
Setting range	[cm/s]	3...300
Greatest sensitivity	[cm/s]	3...100
Gases		
Setting range	[cm/s]	100...15000
Greatest sensitivity	[cm/s]	100...7500
Accuracy / deviations		
Temperature gradient	[K/min]	30
Response times		
Response time	[s]	1...10
Liquids		
Response time	[s]	1...10
Gases		
Response time	[s]	1...10
Operating conditions		
Ambient temperature	[°C]	-20...70
Protection		IP 65; IP 67

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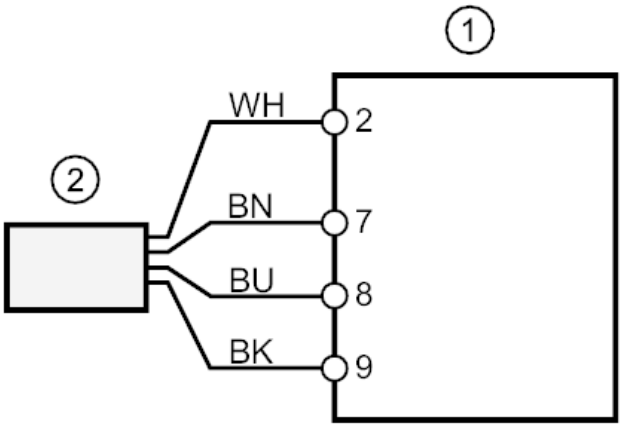
Tests / approvals			
Approval		ZELM 11 ATEX 0467; IECEx ZLM 11.0005	
ATEX marking		II 2G Ex ia IIC T4 Gb	
Shock resistance		DIN IEC 68-2-27	40 g (11 ms)
Vibration resistance		DIN IEC 68-2-6	10 g (55...2000 Hz)
MTTF	[years]	8519	
Mechanical data			
Weight	[g]	367.5	
Housing		threaded type	
Materials		stainless steel (316L/1.4404)	
Materials (wetted parts)		stainless steel (316L/1.4404)	
Process connection		G 1/2 external thread	
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.	

Electrical connection

Cable: 6 m, TPE-S; Maximum cable length: 100 m; (4 x 0.5 mm²); 4 x 0.34 mm²

Connection



1	SR307A / VS4000
2	SP321A
	Core colours :
BK =	black
BN =	brown
BU =	blue
WH =	white