

SP321A

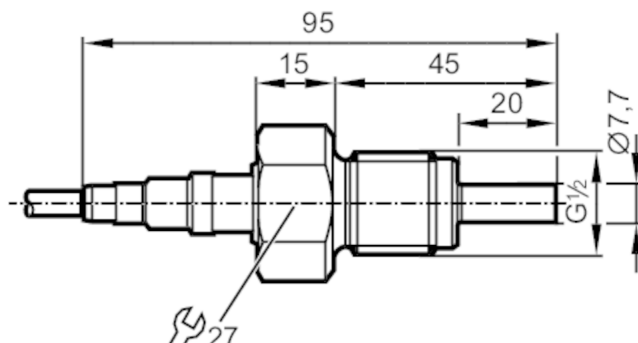


Flow sensor for connection to an evaluation unit

SPR12ABB/2G/6M

phase-out article

Discontinuation date: 03/31/2026



Product characteristics

Process connection	threaded connection G 1/2 external thread
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Application

Media	Liquids; Gases	
Medium temperature [°C]	-20...70	
Pressure rating	30 bar	3 MPa

Liquids

Medium temperature [°C]	-20...70
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Gases

Medium temperature [°C]	-20...70
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Electrical data

Connection to control monitor	VS4000
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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
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Response times

Response time [s]	1...10
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Liquids

Response time [s]	1...10
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Gases

Response time [s]	1...10
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Operating conditions		
Ambient temperature	[°C]	-20...70
Protection		IP 65; IP 67
Tests / approvals		
Approval		CSANe 21ATEX2239; IECEx CSA 21.0045
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		cylindrical
Materials		stainless steel (316L/1.4404)
Materials (wetted parts)		stainless steel (316L/1.4404)
Process connection		threaded connection G 1/2 external thread
Remarks		
Remarks		In principle, the type test according to 2014/34/EU (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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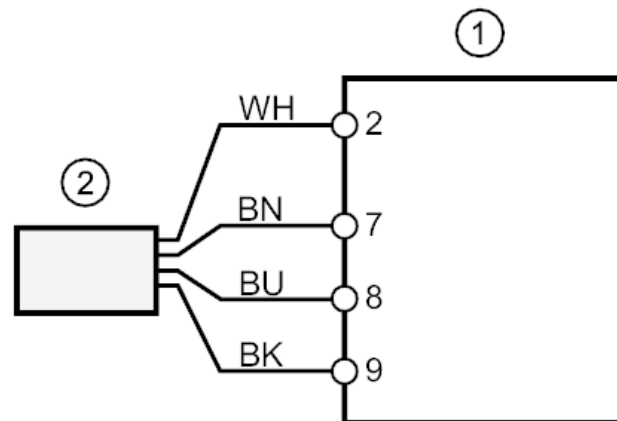
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Electrical connection

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