

PA1021



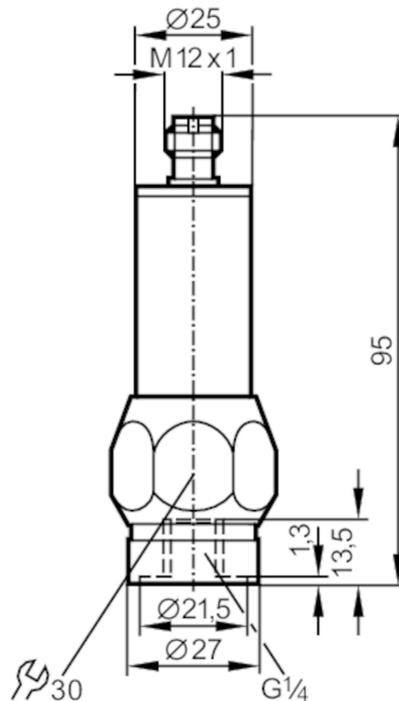
Pressure transmitter with ceramic measuring cell

PA-250-SBR14-D-DVG/US/ IV

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Alternative articles: PA9021

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Number of inputs and outputs	Number of analogue outputs: 1
Measuring range [bar]	0...250
Process connection	threaded connection G 1/4 internal thread

Application

Application	for industrial applications
Media	liquids and gases
Conditionally suitable for	For gaseous media the application is limited to max. 25 bar.
Medium temperature [°C]	-25...80
Min. bursting pressure [bar]	850
Pressure rating [bar]	400
Type of pressure	relative pressure

Electrical data

Operating voltage [V]	16...30 DC
Current consumption [mA]	< 18
Min. insulation resistance [MΩ]	100; (500 V DC)
Protection class	III
Reverse polarity protection	yes

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Inputs / outputs		
Number of inputs and outputs	Number of analogue outputs: 1	
Outputs		
Total number of outputs	1	
Output signal	analogue signal	
Number of analogue outputs	1	
Analogue voltage output [V]	1...10	
Min. load resistance [Ω]	5000	
Overload protection	yes	
Measuring/setting range		
Measuring range [bar]	0...250	
Accuracy / deviations		
Repeatability [% of the final value]	< 0,1; (with temperature fluctuations < 10 K)	
Characteristics deviation [% of the final value]	< \pm 1,0; (incl. linearity, zero and span error (limit value setting))	
Temperature drift per 10 K	< \pm 0.3	
Response times		
Max. response time analogue output [ms]	3	
Operating conditions		
Ambient temperature [$^{\circ}$ C]	-25...80	
Storage temperature [$^{\circ}$ C]	-40...100	
Protection	IP 67	
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
Shock resistance	DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance	DIN IEC 68-2-6	20 g (10...2000 Hz)
Mechanical data		
Materials	FKM; PA; PBT; stainless steel (303/1.4305)	
Materials (wetted parts)	FKM; ceramics; stainless steel (303/1.4305)	
Min. pressure cycles	100 million	
Process connection	threaded connection G 1/4 internal thread	
Remarks		
Pack quantity	1 pcs.	

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Electrical connection

Connector: 1 x M12; coding: A



Connection

