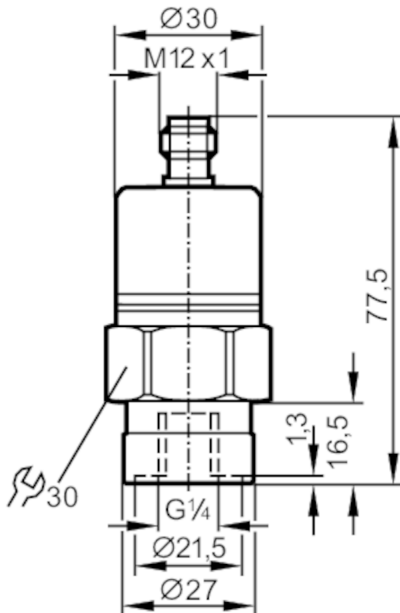


PX9020



Pressure transmitter with ceramic measuring cell

PA-400-SBR14-B-DVG/US/ IV



Product characteristics		
Number of inputs and outputs		Number of analogue outputs: 1
Measuring range	[bar]	0...400
Process connection		threaded connection G 1/4 internal thread
Application		
Special feature		Gold-plated contacts
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...90; (on request: -40...90 °C)
Min. bursting pressure	[bar]	1000
Min. bursting pressure	[MPa]	100
Pressure rating	[bar]	600
Pressure rating	[MPa]	60
Type of pressure		relative pressure
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 18
Min. insulation resistance	[MΩ]	100; (500 V DC)
Protection class		III
Reverse polarity protection		yes
Inputs / outputs		
Number of inputs and outputs		Number of analogue outputs: 1



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Outputs		
Total number of outputs		1
Output signal		analogue signal
Number of analogue outputs		1
Analogue voltage output [V]		0.5...4.5
Min. load resistance [Ω]		2000
Overload protection		yes
Measuring/setting range		
Measuring range [bar]		0...400
Accuracy / deviations		
Repeatability [% of the span]		< 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation [% of the span]		< $\pm 0,25$ (BFSL) / < $\pm 0,5$ (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)
Long-term stability [% of the span]		< $\pm 0,05$; (per 6 months)
Temperature coefficient zero point [% of the span / 10 K]		0,4; (0...80 °C)
Temperature coefficient span [% of the span / 10 K]		0,4; (0...80 °C)
Response times		
Step response time analogue output [ms]		3
Operating conditions		
Ambient temperature [°C]		-25...80
Storage temperature [°C]		-40...100
Protection		IP 68; IP 69K
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	30 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)
MTTF [years]		550
Pressure Equipment Directive		Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request
Mechanical data		
Weight [g]		221.5
Housing		cylindrical
Dimensions [mm]		$\varnothing 30$ / L = 77.5
Materials		stainless steel (316L/1.4404); FKM; PA; EPDM/X
Materials (wetted parts)		stainless steel (303/1.4305); ceramics; FKM
Min. pressure cycles		100 million
Process connection		threaded connection G 1/4 internal thread
Restrictor element integrated		yes

PX9020



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Remarks

Pack quantity

1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

