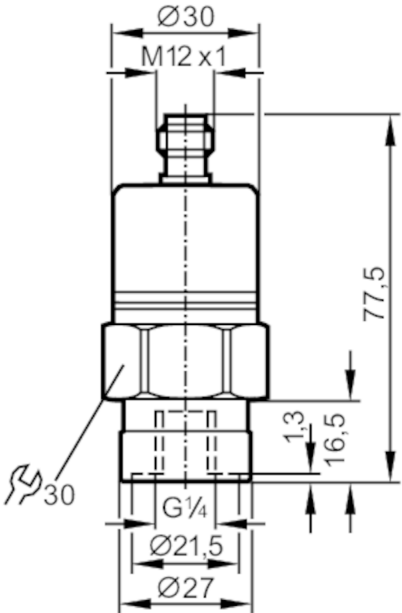


PX9020



Pressure transmitter with ceramic measuring cell

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



Product characteristics		
Number of inputs and outputs	Number of analog outputs: 1	
Measuring range	0...400 bar	0...40000 kPa
Process connection	threaded connection G 1/4 Internal thread	
Application		
System	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	1000 bar	100 MPa
Pressure rating	600 bar	60 MPa
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 analog outputs: 1	
Outputs		
Total number of outputs	1	
Output signal	analog signal	

PX9020



Pressure transmitter with ceramic measuring cell

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

Number of analog outputs		1
Analog voltage output	[V]	0.5...4.5
Min. load resistance	[Ω]	2000
Overload protection		yes
Measuring/setting range		
Measuring range		0...400 bar0...40000 kPa
Accuracy / deviations		
Repeatability [% of the span]		< 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation [% of the span]		< ± 0,25 (BFSL) / < ± 0,5 (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)
Long-term stability [% of the span]		< ± 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)
Reaction times		
Step response time analog 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	tubular	
Dimensions [mm]	Ø 30 / L = 77.5	
Material	stainless steel (1.4404 / 316L); FKM; PA; EPDM/X	
Materials (wetted parts)	stainless steel (1.4305 / 303); ceramics; FKM	
Min. pressure cycles	100 million	
Process connection	threaded connection G 1/4 Internal thread	
Restrictor element integrated	yes	
Remarks		
Pack quantity	1 pcs.	

PX9020



Pressure transmitter with ceramic measuring cell

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

Electrical connection

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



Connection

