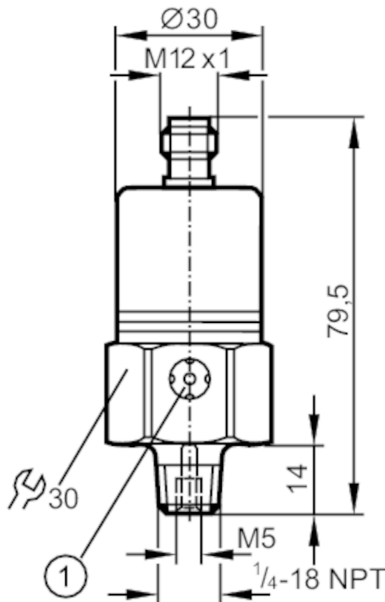


PX3238



Pressure transmitter with ceramic measuring cell

PA-0,5PRBN14-A-ZVG/US/ IV



1 ventilation



Product characteristics		
Output signal		analog signal
Measuring range	[psi]	0...5
Process connection		threaded connection 1/4" NPT external thread Internal thread:M5
Application		
System		gold-plated contacts
Application		for industrial applications
Media		liquids and gases
Medium temperature	[°C]	-25...90
Min. bursting pressure	[psi]	450
Pressure rating	[psi]	145
Type of pressure		relative pressure
Electrical data		
Operating voltage	[V]	9.6...32 DC
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



Pressure transmitter with ceramic measuring cell

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Outputs		
Total number of outputs		1
Output signal		analog signal
Number of analog outputs		1
Analog current output [mA]		4...20
Max. load [Ω]		720; (U _b = 24 V; (U _b - 9,6 V) / 20 mA)
Overload protection		yes
Measuring/setting range		
Measuring range [psi]		0...5
Accuracy / deviations		
Repeatability [% of the span]		< 0,15; (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]		< ± 0,1; (per 6 months)
Temperature coefficient zero point [% of the span / 10 K]		0,3; (0...80 °C)
Temperature coefficient span [% of the span / 10 K]		0,5; (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 67
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
	radiation of interference	according to the automotive directive 2004/104/EC / CISPR 25
	noise immunity	according to the automotive directive 2004/104/EC / ISO 11452-2
	HF radiated	100 V/m
	pulse resistance	ISO 7637-2 / severity level 3
	Shock resistance DIN IEC 68-2-27	50 g (11 ms)
	Vibration resistance DIN IEC 68-2-6	20 g (10...2000 Hz)
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	

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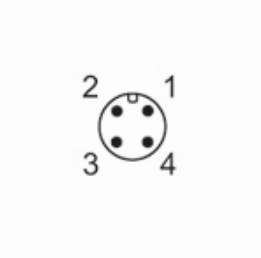
PA-0,5PRBN14-A-ZVG/US/ IV

Mechanical data		
Weight	[g]	213
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 1/4" NPT external thread Internal thread:M5	
Restrictor element integrated	no (can be retrofitted)	

Remarks		
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M12; Contacts: gold-plated



Connection

