PX9963

Pressure transmitter with ceramic measuring cell

PA-025-SBR14-A-ZVG/US/ /V

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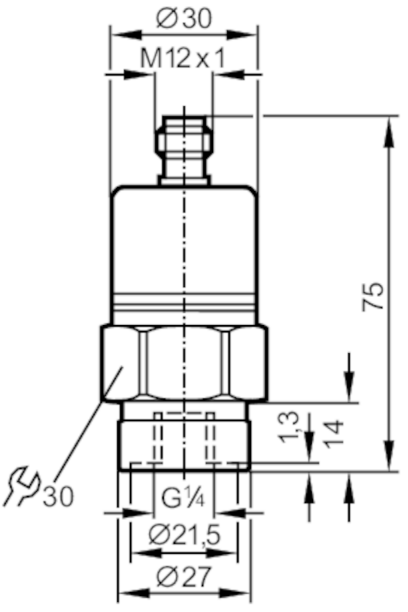

Product characteristics		
Number of inputs and outputs		Number of analogue outputs: 1
Measuring range	[bar]	0...25
Process connection		threaded connection G 1/4 internal thread
Application		
Special feature		Gold-plated contacts
Application		for industrial applications
Media		liquids and gases
Medium temperature	[°C]	-25...90
Min. bursting pressure	[bar]	350
Pressure rating	[bar]	150
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 analogue outputs: 1
Outputs		
Total number of outputs		1
Output signal		analogue signal

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Number of analogue outputs		1
Analogue current output	[mA]	4...20
Max. load	[Ω]	720; (Ub = 24 V; (Ub - 9,6 V) / 20 mA)
Overload protection		yes
Measuring/setting range		
Measuring range	[bar]	0...25
Accuracy / deviations		
Repeatability	[% of the span]	< 0,1; (with temperature fluctuations < 10 K)
Characteristics deviation	[% of the span]	< ± 0,6; (incl. linearity, zero and span error (limit value setting))
Long-term stability	[% of the span]	< ± 0,05; (per 6 months)
Temperature coefficient zero point	[% of the span / 10 K]	0,2; (0...80 °C)
Temperature coefficient span	[% of the span / 10 K]	0,2; (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
	radiation of interference	according to the automotive directive 2004/104/EC / CISPR 25
	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)
Mechanical data		
Weight	[g]	0.223
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
Remarks		
Pack quantity		1 pcs.

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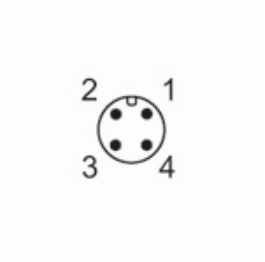
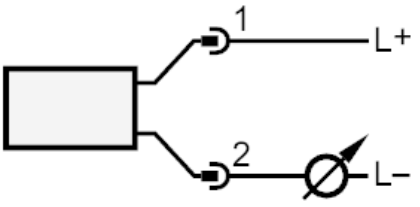
Electrical connection

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



Connection