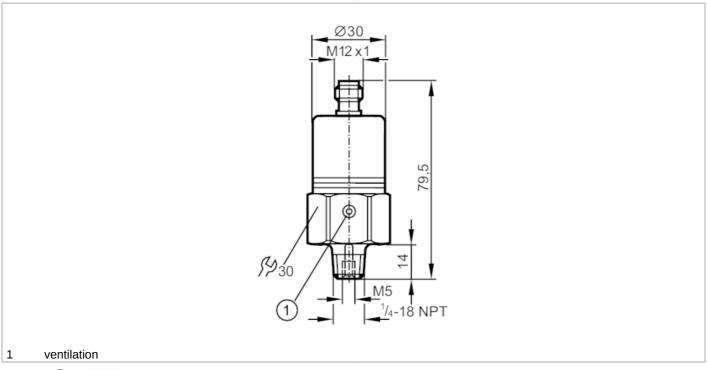
PX3228

Pressure transmitter with ceramic measuring cell

PA-010WRBN14-A-ZVG/US/ /V







Product characteristics				
Number of inputs and outputs		Number of analogue outputs: 1		
Measuring range [in	nH2O]	0100		
Process connection		threaded connection 1/4" NPT external thread internal thread:M5		
Application				
Special feature		Gold-plated contacts		
Application		for industrial applications		
Media		liquids and gases		
Medium temperature	[°C]	-2590		
Min. bursting pressure [in	nH2O]	12043		
Pressure rating [ii	nH2O]	2400		
Type of pressure		relative pressure		
Electrical data				
Operating voltage	[V]	9.632 DC		
Min. insulation resistance	$[M\Omega]$	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		
Number of analogue outputs		1		

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Analogue current output	[mA]		420	
Max. load	[Ω]	720; (Ub = 24 V; (Ub - 9,6 V) / 20 mA)		
Overload protection			yes	
Measuring/setting range			•	
	[inH2O]		0100	
Accuracy / deviations	[0100	
·	e snanl	< 0.15: (with	temperature fluctuations < 10 K)	
		< 0,15; (with temperature fluctuations < 10 K)		
Characteristics deviation [% of the span]		$< \pm 0.35$ (BFSL) $/ < \pm 0.75$ (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		0,2; (080 °C)		
[% of the span / 10 K]				
Temperature coefficient span [% of the span / 10 K]		0,3; (080 °C)		
Response times				
Step response time analogue [ms] output		3		
Operating conditions				
Ambient temperature	[°C]		-2580	
Storage temperature	[°C]		-40100	
Protection			IP 65	
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 (102000 Hz)	
MTTF	[years]	555		
Pressure Equipment Directive		Sound engineering practice; can	be used for group 2 fluids; group 1 fluids on request	
Mechanical data				
Weight	[g]		212	
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 1/4" NPT external thread internal thread:M5		
Restrictor element integrated		no (can be retrofitted)		
			·	

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Remarks	
Pack quantity	1 pcs.
Electrical connection	
Connector: 1 x M12; coding: A; Conta	acts: gold-plated
2 1	
3 4	

Connection

