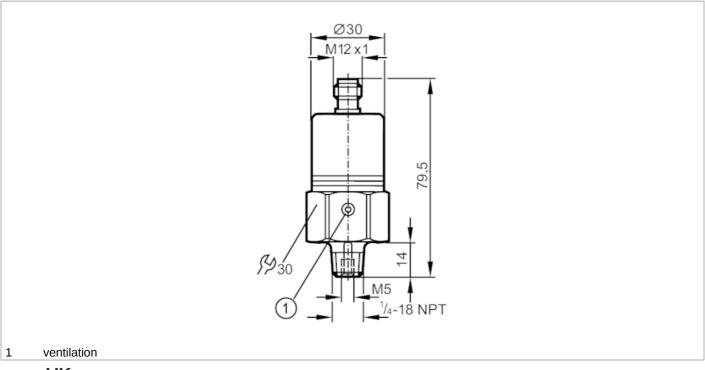
PX3234

Pressure transmitter with ceramic measuring cell

PA-020PRBN14-A-ZVG/US/ /V





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Product characteristics			
Number of inputs and output	ute	Number of analogue outputs: 1	
		Number of analogue outputs: 1	
Measuring range	[psi]	0200	
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; (on request: -4090 °C)	
Min. bursting pressure	[psi]	2175	
Pressure rating	[psi]	1087	
Type of pressure		relative pressure	
Electrical data			
Operating voltage	[V]	9.632 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	
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			
Measuring range [psi]		0200	
Accuracy / deviations			
Repeatability [X21]	< 0,1; (with temperature fluctuations < 10 K)		
Characteristics deviation [X21]	$< \pm 0.35$ (BFSL) $/ < \pm 0.75$ (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)		
Long-term stability [X21]	< ± 0,05; (per 6 months)		
Temperature coefficient zero [X22] point	0,15; (080 °C)		
Temperature coefficient span [X22]	0,2; (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 [ANN]	555		
Pressure Equipment Directive	Sound engineering practice; can be	e used for group 2 fluids; group 1 fluids on request	
Mechanical data			
Weight [g	215.5		
Materials	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.	

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Electrical connection

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



Connection

