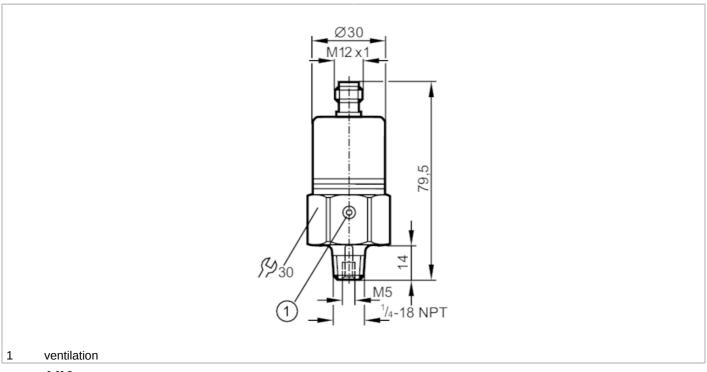
PX9134

Pressure transmitter with ceramic measuring cell

PA-020PRBN14-B-DVG/US/ /V





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Product characteristics		
Number of inputs and outputs		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
Min. bursting pressure	[psi]	2175
Pressure rating	[psi]	1087
Type of pressure		relative pressure
Electrical data		
Operating voltage	[V]	1632 DC
Current consumption	[mA]	< 18
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

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Number of analogue outputs		1		
Analogue voltage output [\	1	010		
Min. load resistance [9		2000		
Overload protection	yes			
Measuring/setting range				
Measuring range [ps	η	0200		
Accuracy / deviations	-			
Repeatability [% of the spar	< 0,1; (with temperature fluctuations < 10 K)			
Characteristics deviation [% of the spar	$<\pm 0.35$ (BFSL) $/<\pm 0.75$ (LS); (BFSL = Best Fit Straight Line; LS = limit value setting)			
Long-term stability [% of the spar	< ± 0,05; (per 6 months)			
Temperature coefficient zero point [% of the span / 10 kg	0,15; (080 °C)			
Temperature coefficient span [% of the span / 10 k	0,2; (080 °C)			
Response times				
Step response time analogue [m: output	3			
Operating conditions				
Ambient temperature [°C	-2580			
Storage temperature [°C	2]	-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		550		
Pressure Equipment Directive	Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request			
Mechanical data				
Weight [g	01	212.5		
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	no (can be retrofitted)		

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

Connection

