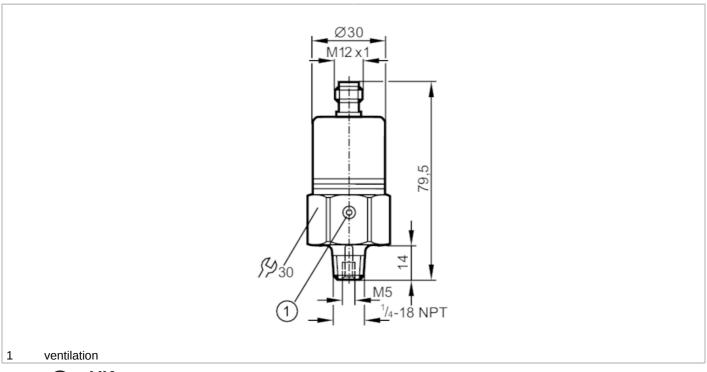
PX9114

Pressure transmitter with ceramic measuring cell









Product characteristics		
Number of inputs and outputs		Number of analogue outputs: 1
Measuring range	[psi]	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	[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	[ΜΩ]	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

PX9114

Pressure transmitter with ceramic measuring cell



PA-010PRBN14-B-DVG/US/ /V

Number of analogue outputs		1	
Analogue voltage output [V]	 	010	
Min. load resistance $[\Omega]$		2000	
Overload protection	yes		
Measuring/setting range		,	
Measuring range [psi]		0100	
Accuracy / deviations		5255	
Repeatability [% of the span]	< 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]	531		
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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Pressure transmitter with ceramic measuring cell



PA-010PRBN14-B-DVG/US/ /V

Remarks					
Pack quantity	1 pcs.				
Electrical connection					
Connector: 1 x M12; coding: A; Contacts: gold-plated					
2 4					
20001					
3 4					

Connection

