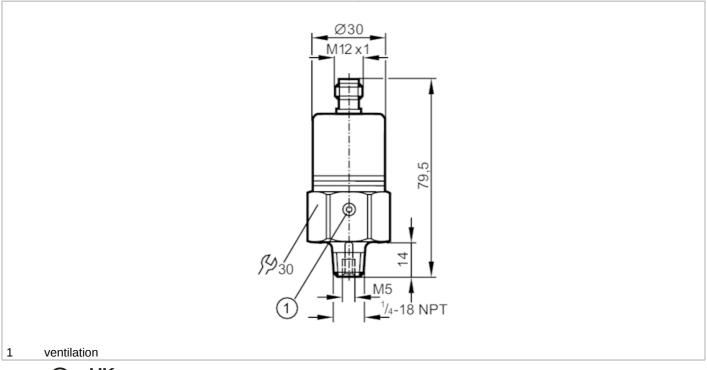
PX9117

Pressure transmitter with ceramic measuring cell

PA-001PRBN14-B-DVG/US/ /V







Product characteristics		
Number of inputs and outpu	ts	Number of analogue outputs: 1
Measuring range	[psi]	015
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]	450
Pressure rating	[psi]	145
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

PX9117

Pressure transmitter with ceramic measuring cell



PA-001PRBN14-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]		015		
Accuracy / deviations		5 .		
Repeatability [% of the span]	< 0,1; (with temperature fluctuations < 10 K)			
Characteristics deviation [% of the span]	$<\pm 0.25$ (BFSL) $/<\pm 0.5$ (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	0,15; (080 °C)			
[% of the span / 10 K]				
Temperature coefficient span [% of the span / 10 K]	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 [years]	550			
Pressure Equipment Directive	Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request			
Mechanical data				
Weight [g]		211.5		
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 (can be retrofitted)			

PX9117

Pressure transmitter with ceramic measuring cell



PA-001PRBN14-B-DVG/US/ /V

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

Connection

