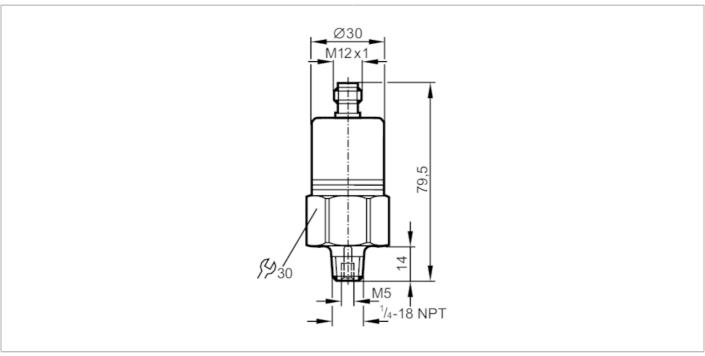
# PX3111

### Pressure transmitter with ceramic measuring cell

PA-300PSBN14-A-ZVG/US/ /V







Product characteristics		
Number of inputs and outputs		Number of analogue outputs: 1
Measuring range	[psi]	03000
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
Conditionally suitable for		use in gases at pressures > 25 bar only on request
Medium temperature	[°C]	-2590
Min. bursting pressure	[psi]	12300
Pressure rating	[psi]	5800
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

# PX3111

# Pressure transmitter with ceramic measuring cell



PA-300PSBN14-A-ZVG/US/ /V

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		03000		
Accuracy / deviations				
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 68; IP 69K			
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		213		
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/	threaded connection 1/4" NPT external thread internal thread:M5		
Restrictor element integrated	no (can be retrofitted)			

# PX3111

Connection

### Pressure transmitter with ceramic measuring cell



PA-300PSBN14-A-ZVG/US/ /V

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

