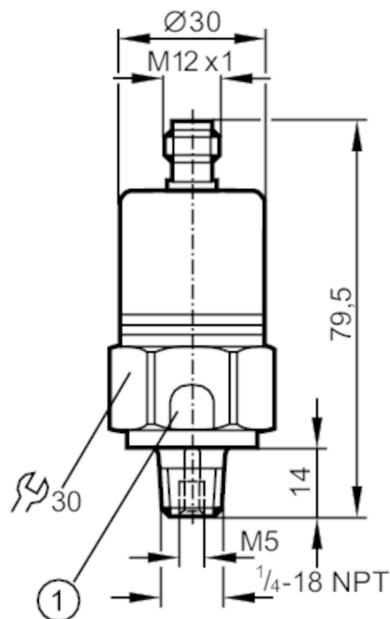


PX9110



Pressure transmitter with ceramic measuring cell

PA-500PSBN14-B-DVG/US/ IV



- 1 pressure relief mechanism
No mechanical force must be exerted on the pressure relief mechanism.



Application	
Media	liquids and gases
Conditionally suitable for	use in gases at pressures > 25 bar only on request
Medium temperature [°C]	-25...90
Pressure rating [psi]	11600
Min. bursting pressure [psi]	17400
Type of pressure	relative pressure
Electrical data	
Operating voltage [V]	16...32 DC
Current consumption [mA]	< 18
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
Analogue voltage output [V]	0...10
Min. load resistance [Ω]	2000
Overload protection	yes

PX9110



Pressure transmitter with ceramic measuring cell

PA-500PSBN14-B-DVG/US/ /V

Measuring/setting range		
Measuring range	[psi]	0...5000
Accuracy / deviations		
Repeatability	[% of the span]	< 0,15; (with temperature fluctuations < 10 K)
Characteristics deviation	[% of the span]	< ± 0,35 (BFSL) / < ± 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	[% of the span / 10 K]	0,3; (0...80 °C)
Temperature coefficient span	[% of the span / 10 K]	0,4; (0...80 °C)
Response times		
Step response time analogue output	[ms]	3
Operating conditions		
Ambient temperature	[°C]	-25...80
Storage temperature	[°C]	-40...100
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
	noise 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 (10...2000 Hz)
MTTF	[years]	531
Mechanical data		
Weight	[g]	207.5
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 threadM5
Restrictor element integrated		yes
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12; Contacts: gold-plated		

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PA-500PSBN14-B-DVG/US/ /V



Connection

