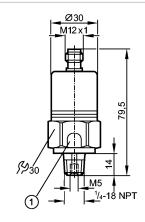
efectorsoo efectorsoo

PX3220



PA-500PSBN14-A-ZVG/US/ /V

Pressure sensors



1: Pressure relief mechanism

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





Electronic	nraccura	CANCAR
	pressure	3011301

Connector

e1 compliant

I			
Process connection: 1/4" NPT	A / M5 I		
Analogue output			
Measuring range: 05000 ps	si		
Application			
Application		Type of pressure: relative pressure	
		Liquids and gases	
		For gaseous media the application is limited to max. 25 bar	
Pressure rating	[psi]	11600	
Bursting pressure min.	[psi]	17400	
Medium temperature	[°C]	-2590	
Electrical data			
Electrical design		DC	
Operating voltage	[V]	9.632 DC	
Insulation resistance	[MΩ]	> 100 (500 V DC)	
Protection class		III	
Reverse polarity protection		yes	
Outputs			
Output		Analogue output	
Output function		420 mA	
Overload protection		yes	
Max. load	[Ω]	(Ub - 9.6 V) x 50; 720 at Ub = 24 V	
Measuring / setting range			
Measuring range	[psi]	05000	
Accuracy / deviations			
Accuracy / deviations			
(in % of the span)	ı		
Characteristics deviation *)		< ± 0.35 (BFSL) / < ± 0.75 (LS)	
Repeatability **)		< 0.15	

0.4

Long-term stability ***) $<\pm 0.05$ Temperature coefficients (TEMPCO) in the temperature range 0...80° C (in % of the span per 10 K)

Greatest TEMPCO of the span
Reaction times

Greatest TEMPCO of the zero point

PX3220 - Electronic pressure sensor - eclass: 27201302 / 27-20-13-02

Step response time analogue output	[ms]		3		
Environment	[III3]		3		
Ambient temperature	[°C]	_	2580		
Storage temperature	[°C] -	-2500 -40100			
	<u> [८]</u> -				
Protection Tests / enprevals		IP 0	8 / IP 69K		
Tests / approvals	į	EN 01000 4 0 EOD:	4134.00.40134.40		
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		
		and the same of the same and a	according to the automotive		
		radiation of interference	directive 2004/104/EC / CISPR25		
			according to the automotive		
			directive 2004/104/EC / ISO		
		noise immunity	11452-2		
		HF radiated	100 V/m		
			according to ISO7637-2 / severity		
		pulse resistance	level 3		
Shock resistance		DIN IEC 68-2-27:	50 g (11 ms)		
Vibration resistance		DIN IEC 68-2-6:	20 g (102000 Hz)		
Mechanical data					
Process connection		1/4" NPT A / M5 I			
Materials (wetted parts)		stainless steel (303S22); ceramics; FPM (Viton)			
Housing materials		stainless steel 316L / 1.4404; FPM (Viton); PA; EPDM/X (Santoprene)			
Min. pressure cycles		100 million			
Weight	[kg]	0.208			
Electrical connection					
Connection		M12 connector;	Gold-plated contacts		
Wiring			·		
2 1					
(°°)					
3 4		1			
_	/	-9' L+			
	Γ				
	<u>ー</u> 〜	<u>→</u> 2			
		3 Q -			
Remarks					
Remarks		*) BFSL = Best Fit Straight Line	/ LS = Limit Value Setting		
		**) with temperature fluctuations < 10 K			
		***) in % of value of measuring (
Pack quantity [piece]		1		
ifm electronic gmbh • Friedrichstraße 1 • 45128 Essen — We reserve the right to make technical alterations without prior notice. — GB — PX3220 — 22.01.2014					