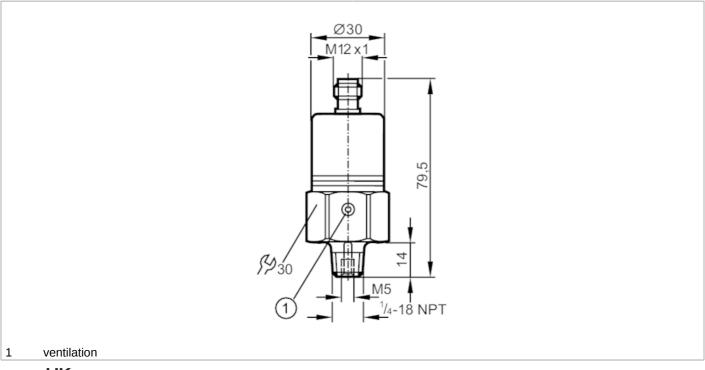
PX3234

Pressure transmitter with ceramic measuring cell

PA-020PRBN14-A-ZVG/US/ /V





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Product characteristics	_	
Number of inputs and output	ute	Number of analogue outpute: 1
		Number of analogue outputs: 1
Measuring range	[psi]	0200
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; (on request: -4090 °C)
Min. bursting pressure	[psi]	2175
Pressure rating	[psi]	1087
Type of pressure		relative pressure
Electrical data		
Operating voltage	[V]	9.632 DC
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

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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		0200	
Accuracy / deviations			
Repeatability [% of the span	< 0,1; (with t	remperature 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	0,15; (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		555	
Pressure Equipment Directive	Sound engineering practice; can	be used for group 2 fluids; group 1 fluids on request	
Mechanical data			
Weight [g		215.5	
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/	threaded connection 1/4" NPT external thread internal thread:M5	
Restrictor element integrated	ne	no (can be retrofitted)	

PX3234

Connection

Pressure transmitter with ceramic measuring cell



PA-020PRBN14-A-ZVG/US/ /V

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

