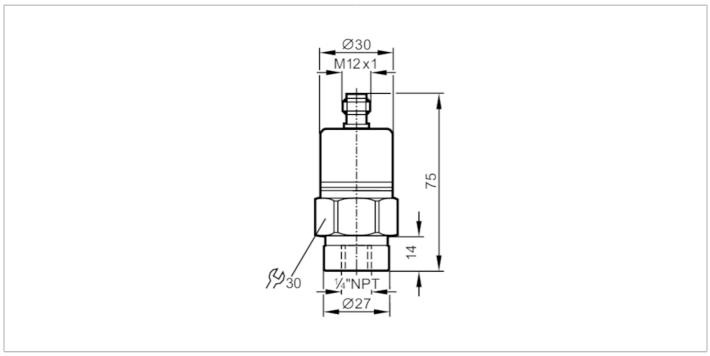
PA6229

Pressure transmitter with ceramic measuring cell

PA-0-1-RBN14-A-ZVG/US/ /V







6	Number of analogue outputs: 1			
	-10 bar	-10000 mbar	-14.50 psi	-1000 kPa
	threaded connection 1/4" NPT internal thread			
	Gold-plated contacts			
	for industrial applications			
	liquids and gases			
[°C]	-2590; (on request: -4090 °C)			
	30 bar	435 psi		3 МРа
	10 bar	145 psi		1 MPa
	relative pressure; vacuum			
[V]		9.6	32 DC	
$[M\Omega]$	100; (500 V DC)			
	III			
	yes			
s	Number of analogue outputs: 1			
			1	
	analogue signal			
	1			
[mA]			204	
	[°C] [V] [ΜΩ]	-10 bar [°C] 30 bar 10 bar	-10 bar -10000 mbar threaded connection Gold-plate for industre liquids [°C] -2590; (on reconstruction of the second	-10 bar

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Max. load	[Ω]	720; (Ub = 24 V; (Ub - 9,6 V) / 20 mA)			
Overload protection		yes			
Measuring/setting range					
Measuring range		-10 bar -10000 mbar	-14.50 psi -1000 kPa		
Accuracy / deviations					
Repeatability [% of the	span]	< 0,1; (with temperature fluctuations < 10 K)			
Characteristics deviation	1	$< \pm 0.25$ (BFSL) $/ < \pm 0.5$ (LS); (BFSL = Best Fit Straight Line; LS = limit value setting			
[% of the	spanj				
Long-term stability [% of the	span]	< ± 0,0	5; (per 6 months)		
Temperature coefficient zero point [% of the span /	/ 10 K]	0,:	L; (080 °C)		
Temperature coefficient span	/ 10 Kj				
[% of the span	/ 10 K]	0,2	2; (080 °C)		
Response times					
Step response time analogue output	[ms]		3		
Operating conditions					
Ambient temperature	[°C]		-2580		
Storage temperature	[°C]	-40100			
Protection		IP 65			
Tests / approvals					
EMC		EN 61000 4.2 ECD	411/05/05/05		
LIVIC		EN 61000-4-2 ESD	4 kV CD / 8 kV AD		
LIVIC		EN 61000-4-2 ESD EN 61000-4-3 HF radiated	30 V/m		
LINIC					
LINE		EN 61000-4-3 HF radiated	30 V/m		
LIVIC		EN 61000-4-3 HF radiated EN 61000-4-4 Burst	30 V/m 2 kV		
LIVIC		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted	30 V/m 2 kV 10 V according to the automotive directive		
LIVIC		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive		
LIVIC		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference immunity	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive 2004/104/EC / ISO 11452-2 100 V/m ISO 7637-2 / severity level 3		
Shock resistance		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference immunity HF radiated pulse resistance DIN IEC 68-2-27	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive 2004/104/EC / ISO 11452-2 100 V/m ISO 7637-2 / severity level 3 50 g (11 ms)		
Shock resistance Vibration resistance		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference immunity HF radiated pulse resistance	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive 2004/104/EC / ISO 11452-2 100 V/m ISO 7637-2 / severity level 3 50 g (11 ms) 20 g (102000 Hz)		
Shock resistance Vibration resistance MTTF	[years]	EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference immunity HF radiated pulse resistance DIN IEC 68-2-27 DIN IEC 68-2-6	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive 2004/104/EC / ISO 11452-2 100 V/m ISO 7637-2 / severity level 3 50 g (11 ms) 20 g (102000 Hz)		
Shock resistance Vibration resistance MTTF [Pressure Equipment Directive		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference immunity HF radiated pulse resistance DIN IEC 68-2-27 DIN IEC 68-2-6	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive 2004/104/EC / ISO 11452-2 100 V/m ISO 7637-2 / severity level 3 50 g (11 ms) 20 g (102000 Hz)		
Shock resistance Vibration resistance MTTF [Pressure Equipment Directive		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference immunity HF radiated pulse resistance DIN IEC 68-2-27 DIN IEC 68-2-6	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive 2004/104/EC / ISO 11452-2 100 V/m ISO 7637-2 / severity level 3 50 g (11 ms) 20 g (102000 Hz) 506 Ised for group 2 fluids; group 1 fluids on request		
Shock resistance Vibration resistance MTTF [Pressure Equipment Directive Mechanical data Weight		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference immunity HF radiated pulse resistance DIN IEC 68-2-27 DIN IEC 68-2-6 Sound engineering practice; can be used to some support of the sound of	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive 2004/104/EC / ISO 11452-2 100 V/m ISO 7637-2 / severity level 3 50 g (11 ms) 20 g (102000 Hz) 506 Ised for group 2 fluids; group 1 fluids on request		
Shock resistance Vibration resistance MTTF [Pressure Equipment Directive Mechanical data Weight Materials		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference immunity HF radiated pulse resistance DIN IEC 68-2-27 DIN IEC 68-2-6 Sound engineering practice; can be used to stainless steel (316)	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive 2004/104/EC / ISO 11452-2 100 V/m ISO 7637-2 / severity level 3 50 g (11 ms) 20 g (102000 Hz) 506 Ised for group 2 fluids; group 1 fluids on request 221.5 L/1.4404); FKM; PA; EPDM/X		
Shock resistance Vibration resistance MTTF [Pressure Equipment Directive Mechanical data Weight Materials Materials (wetted parts)		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference immunity HF radiated pulse resistance DIN IEC 68-2-27 DIN IEC 68-2-6 Sound engineering practice; can be used to stainless steel (316) stainless steel (316)	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive 2004/104/EC / ISO 11452-2 100 V/m ISO 7637-2 / severity level 3 50 g (11 ms) 20 g (102000 Hz) 506 Ised for group 2 fluids; group 1 fluids on request 221.5 L/1.4404); FKM; PA; EPDM/X 03/1.4305); ceramics; FKM		
Shock resistance Vibration resistance MTTF [Pressure Equipment Directive Mechanical data Weight Materials Materials (wetted parts) Min. pressure cycles		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference immunity HF radiated pulse resistance DIN IEC 68-2-27 DIN IEC 68-2-6 Sound engineering practice; can be used to stainless steel (316) stainless steel (316)	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive 2004/104/EC / ISO 11452-2 100 V/m ISO 7637-2 / severity level 3 50 g (11 ms) 20 g (102000 Hz) 506 Ised for group 2 fluids; group 1 fluids on request 221.5 L/1.4404); FKM; PA; EPDM/X 03/1.4305); ceramics; FKM		
Shock resistance Vibration resistance MTTF [Pressure Equipment Directive Mechanical data Weight Materials Materials (wetted parts) Min. pressure cycles Process connection		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference immunity HF radiated pulse resistance DIN IEC 68-2-27 DIN IEC 68-2-6 Sound engineering practice; can be used to stainless steel (316) stainless steel (326) threaded connections.	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive 2004/104/EC / ISO 11452-2 100 V/m ISO 7637-2 / severity level 3 50 g (11 ms) 20 g (102000 Hz) 506 Ised for group 2 fluids; group 1 fluids on request 221.5 L/1.4404); FKM; PA; EPDM/X 03/1.4305); ceramics; FKM 100 million ion 1/4" NPT internal thread		
Shock resistance Vibration resistance MTTF [Pressure Equipment Directive Mechanical data Weight Materials Materials (wetted parts) Min. pressure cycles Process connection Restrictor element integrated		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference immunity HF radiated pulse resistance DIN IEC 68-2-27 DIN IEC 68-2-6 Sound engineering practice; can be used to stainless steel (316) stainless steel (326) threaded connections.	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive 2004/104/EC / ISO 11452-2 100 V/m ISO 7637-2 / severity level 3 50 g (11 ms) 20 g (102000 Hz) 506 Ised for group 2 fluids; group 1 fluids on request 221.5 L/1.4404); FKM; PA; EPDM/X 03/1.4305); ceramics; FKM		
Shock resistance Vibration resistance MTTF [Pressure Equipment Directive Mechanical data Weight Materials Materials (wetted parts) Min. pressure cycles Process connection		EN 61000-4-3 HF radiated EN 61000-4-4 Burst EN 61000-4-6 HF conducted radiation of interference immunity HF radiated pulse resistance DIN IEC 68-2-27 DIN IEC 68-2-6 Sound engineering practice; can be used to stainless steel (316) stainless steel (326) threaded connections.	30 V/m 2 kV 10 V according to the automotive directive 2004/104/EC / CISPR 25 according to the automotive directive 2004/104/EC / ISO 11452-2 100 V/m ISO 7637-2 / severity level 3 50 g (11 ms) 20 g (102000 Hz) 506 Ised for group 2 fluids; group 1 fluids on request 221.5 L/1.4404); FKM; PA; EPDM/X 03/1.4305); ceramics; FKM 100 million ion 1/4" NPT internal thread		

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Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

