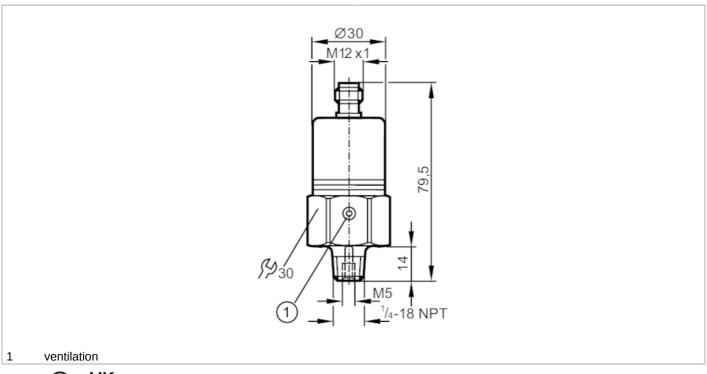
PX3229

Pressure transmitter with ceramic measuring cell

PA-0-1PRBN14-A-ZVG/US/ /V







| Product characteristics | | | |
|------------------------------|-------|---|--|
| Number of inputs and outputs | | Number of analogue outputs: 1 | |
| Measuring range | [psi] | -14.50 | |
| 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 | |
| Min. bursting pressure | [psi] | 450 | |
| Pressure rating | [psi] | 145 | |
| Type of pressure | | relative pressure; vacuum | |
| 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 | |

PX3229

Pressure transmitter with ceramic measuring cell



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| Analogue current output [mA |] | 204 | | |
|---|---|---|--|--|
| Max. load [Ω | 720; (Ub | 720; (Ub = 24 V; (Ub - 9,6 V) / 20 mA) | | |
| Overload protection | | yes | | |
| Measuring/setting range | | | | |
| Measuring range [ps | | -14.50 | | |
| Accuracy / deviations | | | | |
| Repeatability [% of the span | < 0,1; (with t | temperature fluctuations < 10 K) | | |
| Characteristics deviation [% of the span | $< \pm 0.25$ (BFSL) $/ < \pm 0.5$ (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 |] | 212.5 | | |
| Materials | stainless steel | 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/ | 4" NPT external thread internal thread:M5 | | |
| Restrictor element integrated | n | no (can be retrofitted) | | |

PX3229

Connection

Pressure transmitter with ceramic measuring cell



PA-0-1PRBN14-A-ZVG/US/ /V

| Remarks | | | | |
|--|--------|--|--|--|
| Pack quantity | 1 pcs. | | | |
| Electrical connection | | | | |
| Connector: 1 x M12; coding: A; Contacts: gold-plated | | | | |
| 2 1 3 4 | | | | |

