

PX9134



Pressure transmitter with ceramic measuring cell

PA-020PRBN14-B-DVG/US/ IV



1 ventilation



| Product characteristics | | |
|------------------------------|---|-----------------|
| Number of inputs and outputs | Number of analogue outputs: 1 | |
| Measuring range | [psi] | 0...200 |
| 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] | -25...90 |
| Min. bursting pressure | [psi] | 2175 |
| Pressure rating | [psi] | 1087 |
| 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 | |



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| | | |
|------------------------------------|---------------------------|--|
| Number of analogue outputs | | 1 |
| Analogue voltage output | [V] | 0...10 |
| Min. load resistance | [Ω] | 2000 |
| Overload protection | | yes |
| Measuring/setting range | | |
| Measuring range | [psi] | 0...200 |
| Accuracy / deviations | | |
| Repeatability | [% of the span] | < 0,1; (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] | 0,15; (0...80 °C) |
| Temperature coefficient span | [% of the span / 10 K] | 0,2; (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 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 (10...2000 Hz) |
| MTTF | [years] | 550 |
| 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 (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 | | no (can be retrofitted) |

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Remarks

Pack quantity 1 pcs.

Electrical connection

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



Connection

