

PX3228



Pressure transmitter with ceramic measuring cell

PA-010WRBN14-A-ZVG/US/ IV



1 ventilation



| Product characteristics      |   |                 |
|------------------------------|---|-----------------|
| Number of inputs and outputs | Number of analogue outputs: 1                                   |                 |
| Measuring range              | [inH2O]   | 0...100         |
| 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       | [inH2O]   | 12043           |
| Pressure rating              | [inH2O]   | 2400            |
| Type of pressure             | relative pressure   |                 |
| Electrical data              |   |                 |
| Operating voltage            | [V]   | 9.6...32 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]                      | 4...20   |
| Max. load                          | [Ω]                       | 720; (U <sub>b</sub> = 24 V; (U <sub>b</sub> - 9,6 V) / 20 mA)                             |
| Overload protection                |                           | yes  |
| <b>Measuring/setting range</b>     |                           |  |
| Measuring range                    | [inH <sub>2</sub> O]      | 0...100  |
| <b>Accuracy / deviations</b>       |                           |  |
| Repeatability                      | [% of the span]           | < 0,15; (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]    | 0,2; (0...80 °C)   |
| Temperature coefficient span       | [% of the span / 10 K]    | 0,3; (0...80 °C)   |
| <b>Response times</b>              |                           |  |
| Step response time analogue output | [ms]                      | 3  |
| <b>Operating conditions</b>        |                           |  |
| Ambient temperature                | [°C]                      | -25...80   |
| Storage temperature                | [°C]                      | -40...100  |
| Protection                         |                           | IP 65  |
| <b>Tests / approvals</b>           |                           |  |
| 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]                   | 555  |
| Pressure Equipment Directive       |                           | Sound engineering practice; can be used for group 2 fluids; group 1 fluids on request      |
| <b>Mechanical data</b>             |                           |  |
| Weight                             | [g]                       | 212  |
| Housing                            |                           | cylindrical  |
| Dimensions                         | [mm]                      | Ø 30 / L = 79.5  |
| 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                            |

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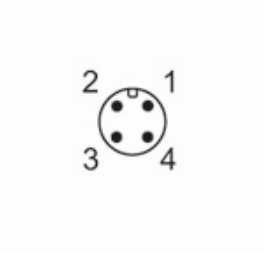
|                               |                         |
|-------------------------------|-------------------------|
| Restrictor element integrated | no (can be retrofitted) |
|-------------------------------|-------------------------|

Remarks

|               |        |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

Electrical connection

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



Connection

