# PM2067

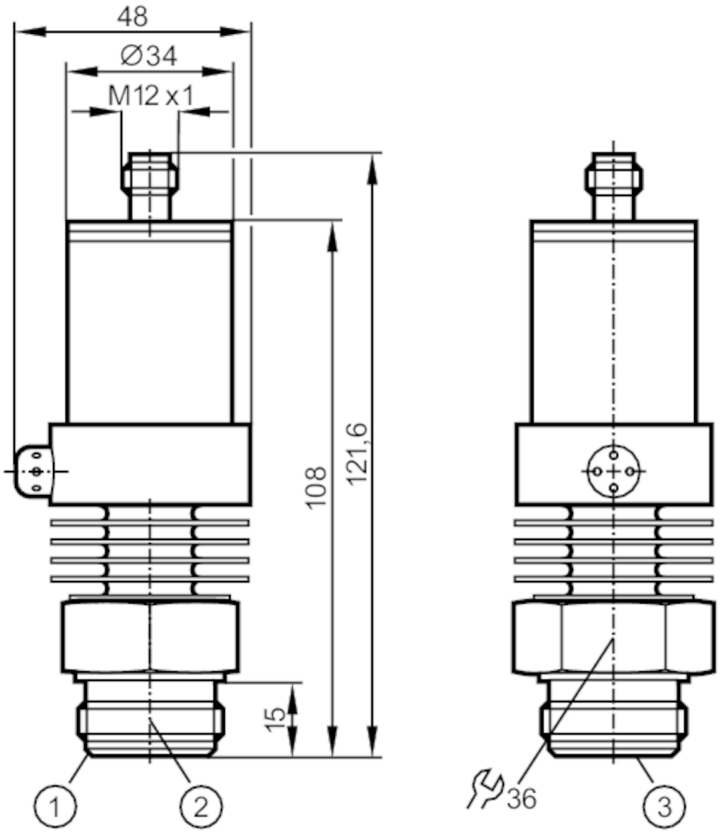
## Flush pressure transmitter

PM-001BRES30-E-ZVG/US/ /P

Article no longer available - archive entry

Alternative articles: PM2057

When selecting an alternative article and accessories please note that technical data may differ!




1 Aseptoflex sealing edge
2 Aseptoflex thread
3 diaphragm : PTFE

| | | | | |
|---|---|---|---|---|
| **Product characteristics** | | | | |
| Number of inputs and outputs | | Number of analogue outputs: 1 | | |
| Measuring range | | -50...1000 mbar | -0.7...14.5 psi | -5...100 kPa |
| Process connection | | threaded connection Aseptoflex external thread Aseptoflex | | |
| **Application** | | | | |
| Application | | flush mountable for the food and beverage industry | | |
| Media | | liquid and viscous media | | |
| Medium temperature | [°C] | -25...125; (145 max. 1h) | | |
| Min. bursting pressure | | 30000 mbar | 450 psi | 3000 kPa |
| Pressure rating | | 10000 mbar | 145 psi | 1000 kPa |
| Type of pressure | | relative pressure | | |
| No dead space | | yes | | |

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| | | | | |
|---|---|---|---|---|
| **Electrical data** | | | | |
| Operating voltage | [V] | 14...30 DC; ("supply class 2" to cULus) | | |
| 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 | | |
| Analogue current output | [mA] | 4...20 | | |
| Max. load | [Ω] | 550; (Ub = 24 V; (Ub - 13 V) / 20 mA) | | |
| Overload protection | | yes | | |
| **Measuring/setting range** | | | | |
| Measuring range | | -50...1000 mbar | -0.7...14.5 psi | -5...100 kPa |
| Analogue start point | | -50...749 mbar | -0.7...10.9 psi | -5...74.9 kPa |
| Analogue end point | | 200...999 mbar | 2.9...14.5 psi | 20...99.9 kPa |
| In steps of | | 1 mbar | 0.1 psi | 0.1 kPa |
| **Accuracy / deviations** | | | | |
| Repeatability | [% of the span] | < ± 0,1; (with temperature fluctuations < 10 K; Turn down 1:1) | | |
| Characteristics deviation | [% of the span] | < ± 0,6; (Turn down 1:1 , linearity, incl. hysteresis and repeatability , limit value setting to DIN EN IEC 62828-1) | | |
| Linearity deviation | [% of the span] | < ± 0,5; (Turn down 1:1) | | |
| Hysteresis deviation | [% of the span] | < ± 0,1; (Turn down 1:1) | | |
| Long-term stability | [% of the span] | < ± 0,1; (Turn down 1:1; per year) | | |
| Temperature coefficient zero point | [% of the span / 10 K] | < ± 0,15; (0...80 °C) | | |
| Temperature coefficient span | [% of the span / 10 K] | < ± 0,4; (0...80 °C) | | |
| **Response times** | | | | |
| Max. response time analogue output | [ms] | 3 | | |
| **Software / programming** | | | | |
| Parameter setting options | | zero point; span | | |
| **Interfaces** | | | | |
| Communication interface | | EPS | | |
| **Operating conditions** | | | | |
| Ambient temperature | [°C] | -25...80 | | |
| Storage temperature | [°C] | -40...100 | | |
| Protection | | IP 67 | | |

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| Tests / approvals | | |
|---|---|---|
| EMC | EN 61000-4-2 ESD | 4 kV CD / 8 kV AD |
| | EN 61000-4-3 HF radiated | 10 V/m |
| | EN 61000-4-4 Burst | 2 kV |
| | EN 61000-4-6 HF conducted | 10 V |
| Shock resistance | DIN IEC 68-2-27 | 50 g (11 ms) |
| Vibration resistance | DIN IEC 68-2-6 | 20 g (10...2000 Hz) |

| Mechanical data | |
|---|---|
| Materials | stainless steel (1.4404 / 316L); PA; PBT |
| Materials (wetted parts) | stainless steel (1.4435 / 316L); PTFE on ceramic substrate; PTFE |
| Min. pressure cycles | 100 million |
| Process connection | threaded connection Aseptoflex external thread Aseptoflex |

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

## Electrical connection

Connector: 1 x M12; coding: A




### Connection

