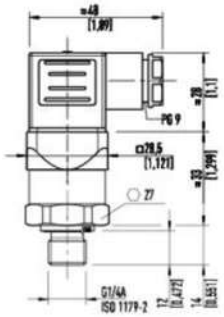
# Pressure transmitter Model A–10
# Type A–10
# Item no.: 14141165

| | |
|---|---|
| **MEASURING RANGE** | |
| Measuring range | 0...20 bar gauge |
| Overpressure limit | 2 times |
| Vacuum tightness | yes |
| **OUTPUT SIGNAL** | |
| Output signal | 4 ... 20 mA, 2-wire |
| Permissible load in Ω | ≤ (power supply - 8 V) / 0.02 A |
| Settling time | < 1 ms |
| **POWER SUPPLY** | |
| Power supply | 8...30 V DC |
| Total current consumption | Current signal, max. 25 mA |
| **ACCURACY INFORMATION** | |
| Non-linearity | 0.25% BFSL |
| Accuracy at room temperature | ≤ ±0.5 % of span |
| Measuring deviation of the zero signal | ≤ ±0.2 % of span |
| Long-term drift | ≤ ±0.1 % of span |
| **TEMPERATURE ERROR** | |
| | typ. 1 %, max. 2.5 % |
| **OPERATING ENVIRONMENT CONDITIONS** | |
| Permissible medium temperature | 0...+80 °C |
| Permissible ambient temperature | 0 ... 80 °C |
| Vibration resistance | 10 g (IEC 60068-2-6, under resonance) |
| Shock resistance | 500 g (IEC 60068-2-27, mechanical) |
| Service life | 100 million load cycle |
| **MATERIALS** | |
| Wetted parts | Stainless steel 316L |
| Non-wetted parts | Stainless steel 316L, HNBR, PA |
| **PROCESS CONNECTION** | |
| Process connection | G 1/4 A DIN EN ISO 1179-2 |
| Sealing | NBR |
| **ELECTRICAL CONNECTION** | |
| Electrical connection | valve connector, size A |
| Ingress Protection | IP65 |
| pin assignment | UB=1, 0V=2 |
| **ELECTRICAL SAFETY** | |
| Short-circuit resistance | S+ vs. U- |
| Reverse polarity protection | U+ vs. U- (no reverse polarity protection with ratiometric output signal) |
| Insulation voltage | DC 500 V |
| **CE-CONFORMITY, APPROVALS AND CERTIFICATES** | |
| CE conformity | PED 2014/68/EU |
| Approvals | cULus |






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