ONLINE DATA SHEET
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Pressure sensors
Pressure transmitter

PBT-AB010SG2SS0VMC0Z

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Pressure transmitter

Model Name > PBT-AB010SG2SS0VMC0Z
Part No. > 6038707

At a glance

- Absolute pressure measurement ranges from 0 ... 1 bar up to 0 … 25 bar
- A large variety of available process connections
- No moving parts: No mechanical wear, fatigue-proof, maintenance-free
- Circularly welded, hermetically sealed stainless steel membrane
- Output signal 4 … 20 mA, 0 … 5 V or 0 … 10 V
- Electrical connection M12x1, L-connector acc. to DIN 175301-803 A or flying leads

Your benefits

- Compact size takes up less space
- Simple and cost-saving installation
- Available in a wide selection of configurations, enabling a perfect match to individual customer requirements
- Robust design enables higher reliability
- Excellent price-performance ratio

Features

Pressure type:	Absolute Pressure
Measuring range:	0 bar ... 10 bar
Process temperature:	0 °C ... 80 °C
Rated temperature:	0 °C ... 80 °C
CE-conformity:	✓
Output signal:	0...10 V, 3-wire

Performance

Accuracy:	≤ +/- 1 % (of span)
Non-linearity:	0.5 % (Best Fit Straight Line (BFSL))

Mechanics/electronics

Process connection:	G 1/4 (female)
Wetted parts:	Pressure Connection: 316 L, Pressure sensor: 316 L (for measurement ranges from 0 ... 10 bar rel: 13-8 PH)
Seal:	Without seal
Pressure port:	Standard
Housing material:	316 L
Enclosure rating:	IP 67
Connection type:	M12 x 1, 4-pin

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Supply voltage:	14 V DC ... 30 V DC
Electrical safety:	Short-circuit protection: QA towards M, Reference conditions: According to IEC 61298-1, Overvoltage protection 32 VDC, 36 VDC with 4 ... 20 mA, Reverse polarity protection: L+ towards M
Protection class III:	✓

Ambient data

Ambient temperature:	0 °C ... 80 °C
Shock load:	500 g according to IEC 60068-2-27 (mechanical shock)
Vibration load:	10 g according to IEC 60068-2-6 (vibration under resonance)

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