



Pressure sensors  
Pressure transmitter

PBT-RB100AG2SS0AMA0Z



**Model Name** > [PBT-RB100AG2SS0AMA0Z](#)  
**Part No.** > [6040961](#)



**At a glance**

- Gauge pressure measurement ranges from 0 ... 1 bar up to 0 ... 600 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:	Gauge pressure
Measuring range:	0 bar ... 100 bar
Process temperature:	0 °C ... 80 °C
Rated temperature:	0 °C ... 80 °C
CE-conformity:	✓
Output signal:	4...20 mA

**Performance**

Accuracy:	≤ +/- 0.5 % (of span)
Non-linearity:	0.25 % (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

Supply voltage: 8 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**

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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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