



Pressure sensors
Pressure transmitter

PBT-RB025SG1SSNAMA0Z



Model Name > [PBT-RB025SG1SSNAMA0Z](#)
Part No. > [6038640](#)



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 ... 25 bar |
| Process temperature: | 0 °C ... 80 °C |
| Rated temperature: | 0 °C ... 80 °C |
| CE-conformity: | ✓ |

Performance

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

Mechanics/electronics

| | |
|---------------------|--|
| Process connection: | G 1/4 A (DIN 3852-E) |
| Wetted parts: | Pressure Connection: 316 L, Pressure sensor: 316 L (for measurement ranges from 0 ... 10 bar rel: 13-8 PH) |
| Seal: | NBR |
| Pressure port: | Standard |
| Housing material: | 316 L |
| Enclosure rating: | IP 67 |
| Output signal: | 4...20 mA |
| 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

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)

Australia

Phone +61 3 9497 4100
1800 334 802 – tollfree
E-Mail sales@sick.com.au

Belgium/Luxembourg

Phone +32 (0)2 466 55 66
E-Mail info@sick.be

Brasil

Phone +55 11 3215-4900
E-Mail sac@sick.com.br

Canada

Phone +1(952) 941-6780
1 800-325-7425 – tollfree
E-Mail info@sickusa.com

Ceská Republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +852-2763 6966
E-Mail ghk@sick.com.hk

Danmark

Phone +45 45 82 64 00
E-Mail sick@sick.dk

Deutschland

Phone +49 211 5301-301
E-Mail kundenservice@sick.de

España

Phone +34 93 480 31 00
E-Mail info@sick.es

France

Phone +33 1 64 62 35 00
E-Mail info@sick.fr

Great Britain

Phone +44 (0)1727 831121
E-Mail info@sick.co.uk

India

Phone +91-22-4033 8333
E-Mail info@sick-india.com

Israel

Phone +972-4-999-0590
E-Mail info@sick-sensors.com

Italia

Phone +39 02 27 43 41
E-Mail info@sick.it

Japan

Phone +81 (0)3 3358 1341
E-Mail support@sick.jp

Magyarország

Phone +36 1 371 2680
E-Mail office@sick.hu

Nederlands

Phone +31 (0)30 229 25 44
E-Mail info@sick.nl

Norge

Phone +47 67 81 50 00
E-Mail austefjord@sick.no

Österreich

Phone +43 (0)22 36 62 28 8-0
E-Mail office@sick.at

Polska

Phone +48 22 837 40 50
E-Mail info@sick.pl

România

Phone +40 356 171 120
E-Mail office@sick.ro

Russia

Phone +7 495 775 05 30
E-Mail info@sick.ru

Schweiz

Phone +41 41 619 29 39
E-Mail contact@sick.ch

Singapore

Phone +65 6744 3732
E-Mail admin@sicksgp.com.sg

South Africa

Phone +27 11 472 3733
E-Mail info@sickautomation.co.za

South Korea

Phone +82-2 786 6321/4
E-Mail info@sickkorea.net

Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

Suomi

Phone +358-9-25 15 800
E-Mail sick@sick.fi

Sverige

Phone +46 10 110 10 00
E-Mail info@sick.se

Taiwan

Phone +886 2 2375-6288
E-Mail sales@sick.com.tw

Türkiye

Phone +90 216 528 50 00
E-Mail info@sick.com.tr

United Arab Emirates

Phone +971 4 8865 878
E-Mail info@sick.ae

USA/México

Phone +1(952) 941-6780
1 800-325-7425 – tollfree
E-Mail info@sickusa.com

More representatives and agencies
at www.sick.com