

Pressure transmitter Model S-20

Modelcode type: S-20

Modelcode: S-20-6-BG310-HAS41-A-M4ZZZZ-ZWZ
W1011S20Z-ZZZZ31Z1-SSR8LZ2BPSZZE-ZKGFZZSAZZZS1

MEASURING RANGE

Measuring range 0 ... 1 bar gauge

Overpressure limit 3 times

Vacuum tightness yes

OUTPUT SIGNAL

Output signal 4 ... 20 mA, 2-wire

Permissible load in Ω $\leq$ (power supply - 7.5 V) / 0.023 A

POWER SUPPLY

Power supply DC 8...35 V

Total current consumption Current signal, max. 25 mA

ACCURACY INFORMATION

Non-linearity 0.5% BFSL

Accuracy at calibration temperature $\leq \pm 1.0$ % of span

Long-term drift $\leq \pm 0.1$ % of span

without additional error at calibration temperature yes

TEMPERATURE ERROR

Temperature error -20 ... +80°C 1 %

Temperature error -30 ... +100°C 1.5 %

OPERATING ENVIRONMENT CONDITIONS

Permissible medium temperature -40...+200°C

Storage and transport temperature -40 ... +70°C

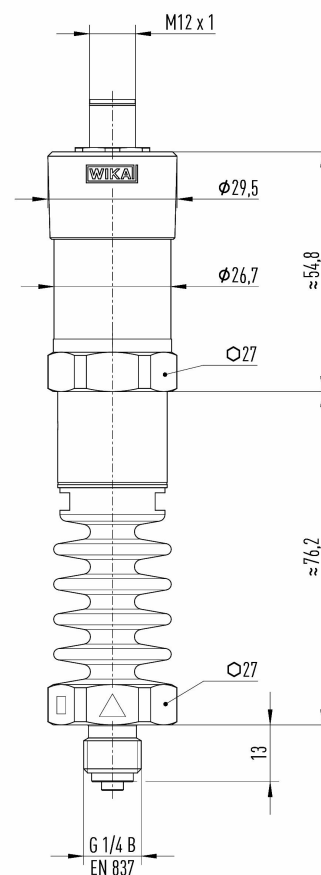
shock and vibration resistance 100 g shock, 10 g vibration

Service life 100 million load cycle

PROCESS CONNECTION

Process connection G 1/4 B EN 837

Sealing stainless steel



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Pressure port D 2.5 mm

ELECTRICAL CONNECTION

Electrical connection circular connector M12 x 1 (4-pin)

Ingress protection IP 67

pin assignment el. connection U+=1, U-=3

-30 ... +100 °C (-22 ... +212 °F)

item based datasheet headlines ELECTRICAL SAFETY

Short-circuit resistance S+ vs. U-

Reverse polarity protection U+ vs. U-

Insulation voltage DC 750 V

CE-CONFORMITY, APPROVALS AND CERTIFICATES

CE conformity PED 2014/65/EU

CE conformity2 EMC 2014/30/EU

CE-Konformität Teil3 RoHS 2011/65/EU

Approvals cULus