

Pressure Sensor

P/N 56.02.017

Dimensions

- Length including connector 100 mm (3.94")
- Length of process connection 67 mm (2.64")

Connections

- Process connection G 1/4" DIN 3852
- Seal FKM

Measuring Range

- Relative pressure 0 bar to 3 bar overpressure
- Accuracy (standard for $P_N \geq 0.4$ bar) 0.35%

Mechanical Data

- Permissible vibration resistance 10g RMS at 25 Hz to 2,000 Hz according to DIN EN 60068-2-6
- Permissible shock resistance 500g for 1 ms according to DIN EN 60068-2-27

Climatic Environmental Conditions

- Maximum ambient temperature
 - In zone 0: -20 °C to +60 °C (-4 °F to +140 °F)
at p_{atm} 0.8 bar to 1.1 bar
 - In zone 1: -20 °C to +70 °C (-4 °F to +158 °F)

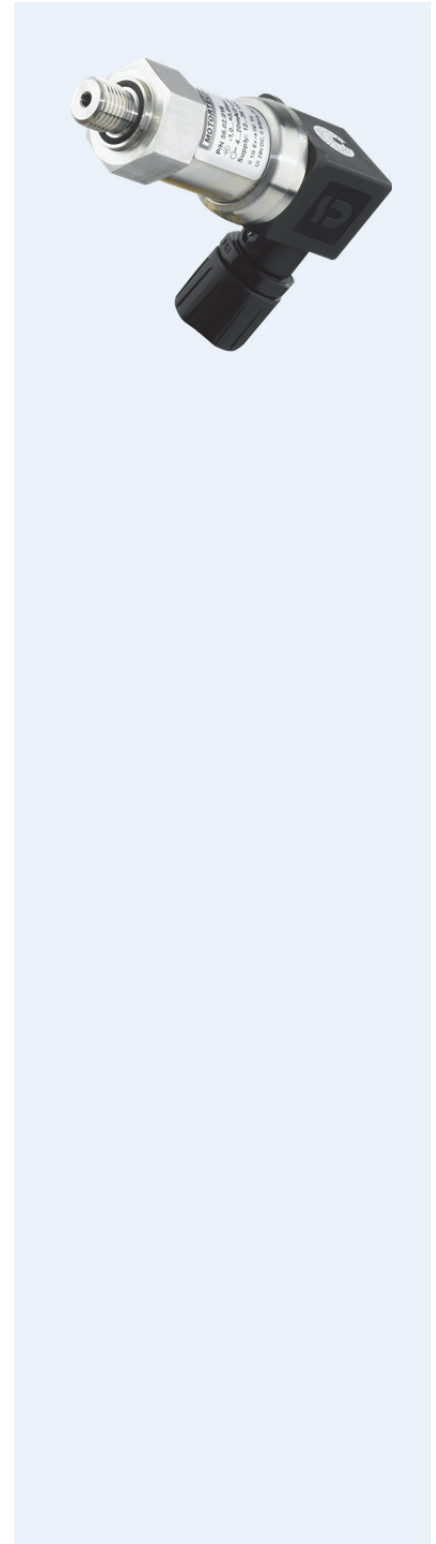
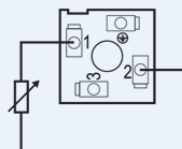
Electrical Data

- Power supply (U_B) 10 V DC to 28 V DC
- Working resistance (current 4 mA to 20 mA, two-wire) $R_{Max} = (U_B - 10 V) / 0.02 A$

Pin Designation

- 1: Power supply $U_B +$
- 2: Power supply $U_B -$

Two-wire connection



Overview Drawing

