Pressure Sensor

P/N 56.01.002

Dimensions
- Length including connector: 95 mm (3.74”)
- Length of process connection: 51 mm (2.01”)

Connections
- Process connection: G 1/4” DIN EN 837

Measuring Range
- Relative pressure: 0 bar to 6 bar overpressure

Mechanical Data
- Permissible vibration resistance: 50g at 10 Hz to 2,000 Hz
- Permissible shock resistance:
  - 50g for 3 ms
  - 100g for 2 ms

Climatic Environmental Conditions
- Permissible temperature:
  - Medium: –20 °C to +125 °C (–4 °F to +257 °F)
  - Ambient: –20 °C to +85 °C (–4 °F to +185 °F)
  - Storage: –40 °C to +125 °C (–40 °F to +257 °F)

Electrical Data
- Power supply (Ua):
  - 8 V DC to 30 V DC
- Working resistance (current 4 mA to 20 mA, two-wire):
  - $R_s (Ua – 8 V)/0.02\ \text{A}$

Pin Designation
- 1: Power supply $Ua +$
- 2: Power supply $Ua –$

Two-wire connection
Overview Drawing