

Pressure sensor liquids

Active sensor (4...20 mA) for measuring the pressure in liquid mediums for air conditioning, heating and water applications. Suitable for plants with refrigerant. NEMA 4 / IP65 rated enclosure.


Type Overview

| Type | Measuring range pressure | Output signal active pressure | Overpressure range | Burst pressure |
|----------|--------------------------|-------------------------------|--------------------|----------------|
| 22WP-134 | 0...4 bar | 4...20 mA | 8 bar | 12 bar |
| 22WP-135 | 0...6 bar | 4...20 mA | 12 bar | 18 bar |
| 22WP-136 | 0...10 bar | 4...20 mA | 20 bar | 30 bar |
| 22WP-137 | 0...16 bar | 4...20 mA | 32 bar | 48 bar |

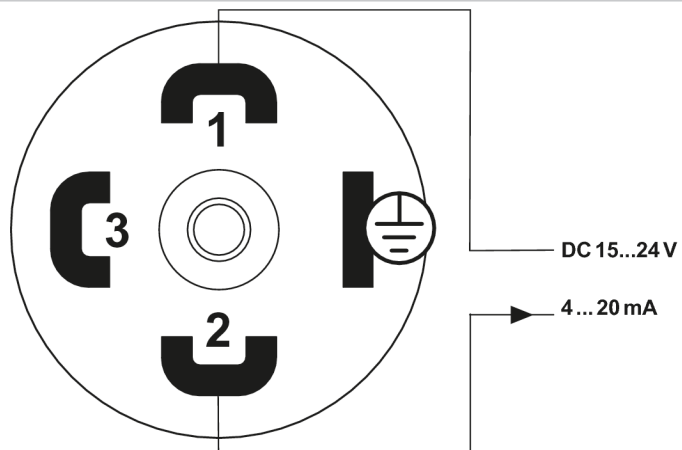
Technical Data

| | | |
|------------------------|-------------------------------------|---|
| Electrical data | Power Supply DC | 15...24 V, $\pm 10\%$, 0.5 W |
| | Electrical connection | Plug for wire 0.5...1.5 mm ² |
| | Cable entry | MVS plug according to DIN EN175301-803 / Type A |
| Functional data | Sensor Technology | Strain gauge on precious metal |
| | Mechanical connection | pressure connector: G1/4" |
| | Media | Water |
| Measuring data | Measured values | Pressure |
| | Accuracy pressure | $\pm 0.5\%$ FS @ 25 °C |
| | Total errors for final temperatures | at maximum temperatures -40 °C: $\leq 2\%$ FS 105 °C: $\leq 2\%$ FS |
| Materials | Housing seal | FKM fluororubber, Silicone-free |
| | Housing | Stainless steel 1.4301 |
| Safety data | Ambient temperature | -40...105 °C [-40...220 °F] |
| | Medium temperature | -40...125 °C [-40...255 °F] |
| | Protection class IEC/EN | III Protective extra-low voltage (PELV) |
| | Protection class UL | UL Class 2 Supply |
| | EU Conformity | CE Marking |
| | Degree of protection IEC/EN | IP65 |
| | Degree of protection NEMA/UL | NEMA 4 |
| | Quality Standard | ISO 9001 |
| | Weight | 0.12 kg |

Accessories

| Optional accessories | Description | Type |
|----------------------|--|------------|
| | Adapter G 1/4" (internal thread) to G 1/2" (external thread) | A-22WP-A02 |

Wiring diagram



Dimensions

