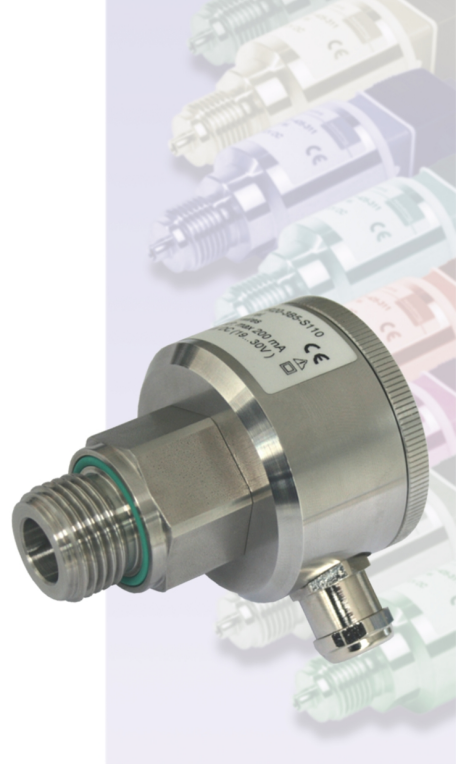


- Dry ceramic sensor
- Ranges from 250 mbar to 250 bar
- Accuracy  $\leq 0.5\%$
- Compact and rugged design
- Easy on-site configuration via DIP switches
- Analog output: 4...20 mA
- Contact output: DC PNP, max. 200 mA



## Pressure switch PR 10

### Technical Data:

|                          |  |
|--------------------------|--|
| Range:                   | 0...250 mbar bis 0...250 bar<br>-1...0 bar bis -1...25 bar     |
| Analog output:           | 4...20 mA, 3-Leiter  |
| Contact output:          | DC PNP, max. 200 mA  |
| Accuracy:                | $\leq \pm 0.5\%$ FS @ 25°C                                     |
| Response time:           | 60 ms  |
| Power supply:            | 19...30V DC  |
| Ambient temperature:     | -25...85 °C  |
| Process temperature:     | -25...100 °C   |
| Temperature coefficient: | $\leq \pm 0.03\%$ FS/K (zero)<br>$\leq \pm 0.02\%$ FS/K (span) |
| Long term stability:     | $\leq \pm 0.5\%$ FS p. a.                                      |
| Process connection:      | G 1/2", 1.4404 (316L)  |
| Housing:                 | stainless steel 1.4301 (304)                                   |
| Sensor:                  | ceramic AL <sub>2</sub> O <sub>3</sub>                         |
| Protection class:        | IP 67  |
| Electrical connection:   | cable gland M16x1,5<br>connector M12x1                         |

**Nöding**

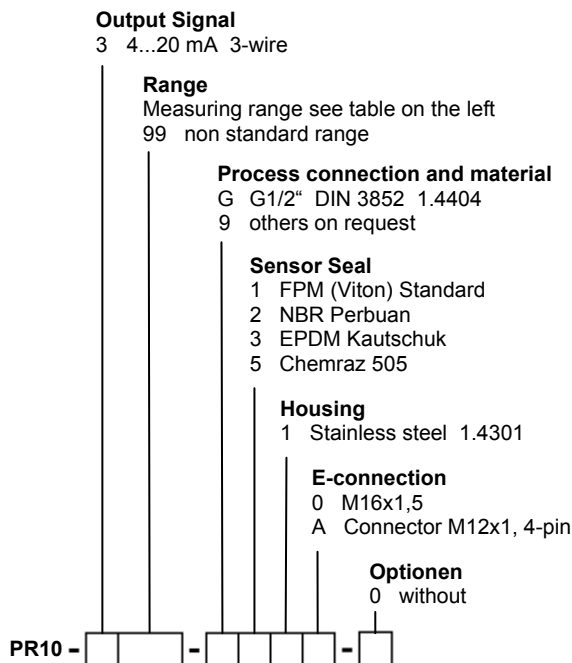
Meßtechnik

## Ranges

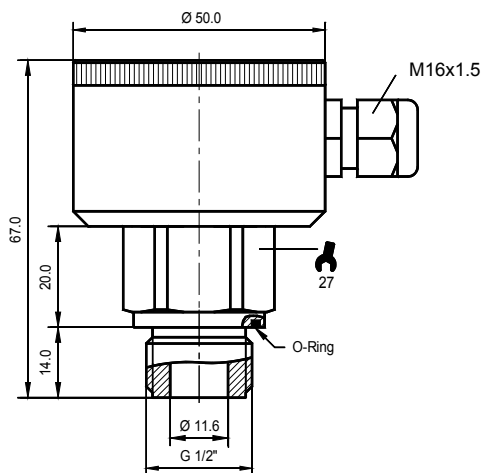
| Range                         | Code | Overload (bar) |
|-------------------------------|------|----------------|
| 0...250 mbar / 0...25 kPa (*) | 02   | -0.15/1        |
| 0...400 mbar / 0...40 kPa     | 03   | -0.15/1        |
| 0...500 mbar / 0...50 kPa     | B7   | -0.2/2         |
| 0...600 mbar / 0...60 kPa     | 04   | -0.2/2         |
| 0...1 bar / 0... 100 kPa      | 05   | -1/4           |
| 0...1.6 bar / 0... 160 kPa    | 06   | -1/4           |
| 0...2 bar / 0... 200 kPa      | B3   | -1/4           |
| 0...2.5 bar / 0... 250 kPa    | 07   | -1/10          |
| 0...4 bar / 0... 400 kPa      | 08   | -1/10          |
| 0...5 bar / 0... 500 kPa      | F1   | -1/10          |
| 0...6 bar / 0... 600 kPa      | 09   | -1/20          |
| 0...10 bar / 0...1 MPa        | 10   | -1/40          |
| 0...16 bar / 0...1.6 MPa      | 11   | -1/40          |
| 0...20 bar / 0...2 MPa        | B5   | -1/40          |
| 0...25 bar / 0...2.5 MPa      | 12   | -1/100         |
| 0...40 bar / 0...4 MPa        | 13   | -1/100         |
| 0...50 bar / 0...5 MPa        | F3   | -1/100         |
| 0...60 bar / 0...6 MPa        | 14   | -1/200         |
| 0...100 bar / 0...10 MPa      | 15   | -1/200         |
| 0...160 bar / 0...16 MPa      | 16   | -1/400         |
| 0...200 bar / 0...20 MPa      | F5   | -1/400         |
| 0...250 bar / 0...25 MPa      | 17   | -1/600         |
| -1...0 bar / -100...0 kPa     | D4   | -1/4           |
| -1...0.6 bar / -100...60 kPa  | D5   | -1/4           |
| -1...1 bar / -100...100 kPa   | D6   | -1/4           |
| -1...1.5 bar / -100...150 kPa | D7   | -1/4           |
| -1...3 bar / -100...300 kPa   | D8   | -1/10          |
| -1...5 bar / -100...500 kPa   | D9   | -1/10          |
| -1...9 bar / -100...900 kPa   | E1   | -1/40          |
| -1...15 bar / -100...1500 kPa | E2   | -1/40          |
| -1...19 bar / -100...1900 kPa | E3   | -1/40          |

(\*) Accuracy 1% Absolutpressure on request

## Ordering code

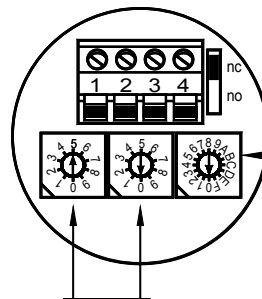


## Dimension (mm)



## Settings

nc = normally closed  
no = normally open

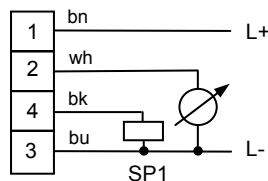


Setpoint modification in %  
for example 50%

Hysteresis adjustment

| max. Function | min. Function |
|---------------|---------------|
| 0 = 0.5%      | 8 = 0.5%      |
| 1 = 1%        | 9 = 1%        |
| 2 = 2%        | A = 2%        |
| 3 = 3%        | B = 3%        |
| 4 = 4%        | C = 4%        |
| 5 = 6%        | D = 6%        |
| 6 = 8%        | E = 8%        |
| 7 = 10%       | F = 10%       |

## Electrical connections



Modifications reserved without notice 03.10