

# Pressure sensor, Series PE5

- Operating pressure -1 ... 0 -1 ... 1 0 ... 6 0 ... 10 0 ... 12 -1 ... 10 bar
- electronic
- Output signal analog 0 - 10 V DC, 4 - 20 mA
- Output signal digital 2 x PNP, NPN, Push-pull PNP, NPN, Push-pull PNP, NPN, push-pull, 1x IO-Link 2x PNP, NPN, push-pull in standard mode, 1x in leakage mode
- Electr. connection Plug M12x1 4-pin Plug M12x1 5-pin
- Compressed air connection Internal thread G 1/4 push-in fitting Ø 4



|                                       |                                                                                                                                       |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Type                                  | electronic                                                                                                                            |
| Certificates                          | CE declaration of conformity, cULus, RoHS, Conforms with REACH, Free of substances that impair surface wetting in the coating process |
| Ambient temperature min./max.         | 0 ... 60 °C                                                                                                                           |
| Medium temperature min./max.          | 0 ... 60 °C                                                                                                                           |
| Medium                                | Compressed air (max. 40 µm)                                                                                                           |
| Max. oil content of compressed air    | 40 mg/m <sup>3</sup>                                                                                                                  |
| Measurement                           | Relative pressure                                                                                                                     |
| Display                               | LCD display, 4 digits, Color setting: green or red                                                                                    |
| Units displayed                       | bar psi kPa MPa inHg                                                                                                                  |
| Switching logic                       | NO/NC (adjustable)                                                                                                                    |
| Shock resistance max.                 | 30 g                                                                                                                                  |
| Vibration resistance                  | 5 g (10 - 150 Hz)                                                                                                                     |
| Precision (% of full scale value)     | ±1.5% in temperature range of 10 - 30°C<br>± 2 % including temperature drift                                                          |
| Repeatability (% of full scale value) | ± 0,2 %                                                                                                                               |
| Switching time                        | 5 ms                                                                                                                                  |
| Switching point                       | adjustable 0 ... 100%                                                                                                                 |
| Resetting point                       | adjustable 0 ... 100%                                                                                                                 |
| Hysteresis                            | adjustable                                                                                                                            |
| Delayed hysteresis                    | adjustable                                                                                                                            |
| Window function                       | adjustable                                                                                                                            |
| DC operating voltage min./max.        | 17 ... 30 V DC                                                                                                                        |
| Analog output                         | 0 - 10 V DC, 4 - 20 mA                                                                                                                |
| Quiescent current consumption         | 40 mA                                                                                                                                 |
| Analog output linearity               | ± 0.5% of the final value                                                                                                             |
| Maximum load (analog current output)  | 600 Ω                                                                                                                                 |
| Short circuit resistance              | Max. 600 ohms (current output) Min. 3K ohms (voltage output)                                                                          |
| Mounting types                        | Directly on hat rail and wall mounting For panel installation using mounting kit via double nipple                                    |
| Protection class                      | IP65 IP67 with connections assembled                                                                                                  |
| Weight                                | 0,04 kg                                                                                                                               |