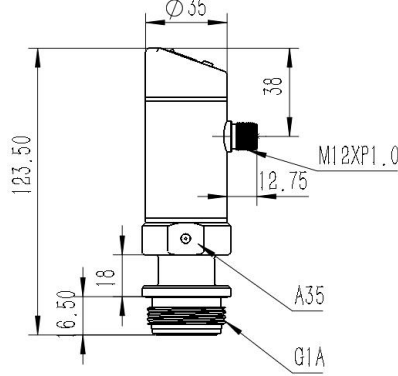
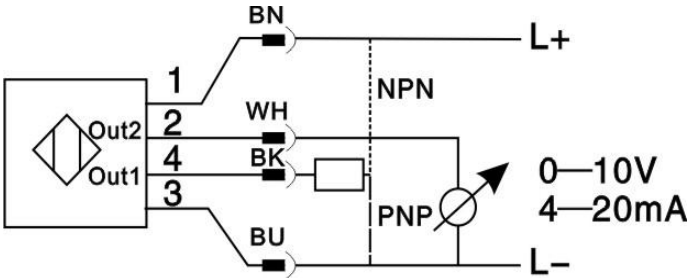
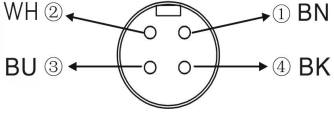


|                                                                                                                                                                                                                                   |                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PE3303<br>Ex-Proof Sanitary Pressure Sensor<br>M12 socket<br>Connection: External thread G1"A<br>Programmable<br>Switching + Analogue output<br>4 digit display<br>Sensing range<br>-1...10bar<br>-14...145Psi<br>-1...10 kgf/cm2 | <br>                                     |
| Ex-Proof classification                                                                                                                                                                                                           | Ex nA IIC T4 Gc / Ex tD A21 IP67 T90°C                                                                                                                                                                        |
| Applications                                                                                                                                                                                                                      | Corresponding pressure                                                                                                                                                                                        |
| Electric design                                                                                                                                                                                                                   | Liquid and Air                                                                                                                                                                                                |
| Output                                                                                                                                                                                                                            | DC PNP / NPN                                                                                                                                                                                                  |
| Supply voltage[V]                                                                                                                                                                                                                 | NO  / NC  programmable, 4...20mA or 0...10V |
| Short-circuit protection                                                                                                                                                                                                          | 20...32DC                                                                                                                                                                                                     |
| Reverse polarity protection                                                                                                                                                                                                       | Pulsed                                                                                                                                                                                                        |
| Overload protection                                                                                                                                                                                                               | Yes                                                                                                                                                                                                           |
| Watchdog                                                                                                                                                                                                                          | Yes                                                                                                                                                                                                           |
| Voltage drop[V]                                                                                                                                                                                                                   | Yes                                                                                                                                                                                                           |
| Current consumption[mA]                                                                                                                                                                                                           | <2                                                                                                                                                                                                            |
| Sensing range [bar]                                                                                                                                                                                                               | <60                                                                                                                                                                                                           |
| Overload pressure [bar]                                                                                                                                                                                                           | -1...10                                                                                                                                                                                                       |
| Burst pressure [bar]                                                                                                                                                                                                              | 15                                                                                                                                                                                                            |
| Analogue output OUT2                                                                                                                                                                                                              | 20                                                                                                                                                                                                            |
| Overload of analogue output[Ohm]                                                                                                                                                                                                  | 4...20 mA / 0...10V                                                                                                                                                                                           |
| Switching output OUT1                                                                                                                                                                                                             | 4...20 mA:Max. (Ub-10V) x 50 / 0...10V:Min. 2000                                                                                                                                                              |
| Overload of switching output [mA]                                                                                                                                                                                                 | NPN/PNP                                                                                                                                                                                                       |
| Setting range                                                                                                                                                                                                                     | 300                                                                                                                                                                                                           |
| Switching point (SP)                                                                                                                                                                                                              |                                                                                                                                                                                                               |
| Reset point (rP)                                                                                                                                                                                                                  | -0.90...10bar                                                                                                                                                                                                 |
| In steps of                                                                                                                                                                                                                       | -0.95...9.95 bar                                                                                                                                                                                              |
| Programming options                                                                                                                                                                                                               | 0.05bar                                                                                                                                                                                                       |
| Deviations (% of final value measured)                                                                                                                                                                                            | Hysteresis range / Window function; NO / NC; Calibration; Unit display;<br>Output 2 setting: Current / Voltage output;<br>Output 1 setting: NPN / PNP output                                                  |
| Accuracy of switching point                                                                                                                                                                                                       |                                                                                                                                                                                                               |
| Characteristic deviation                                                                                                                                                                                                          | ±(0.2...0.5)                                                                                                                                                                                                  |
| Hysteresis                                                                                                                                                                                                                        | < ±0.5                                                                                                                                                                                                        |
| Stability of long-time use                                                                                                                                                                                                        | < ±0.25                                                                                                                                                                                                       |
| Ambient temperature [°C/°F]                                                                                                                                                                                                       | < ±0.5                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                   | -25...70/-13...158                                                                                                                                                                                            |

|                              |                                                                                      |
|------------------------------|--------------------------------------------------------------------------------------|
| Medium temperature [°C/°F]   | -25...70/-13...158                                                                   |
|                              | When used for non-explosive area:<br>-25...125 (145 max/1h)/-13...257 (293 max/1h)   |
| Storage temperature[°C/°F]   | -40...100/-40...212                                                                  |
| Protection/Enclosure rating  | IP67/IP69K*                                                                          |
| Insulation resistance[MΩ]    | > 100(500 V DC)                                                                      |
| Dimension                    |    |
| ESD                          | 6kV III                                                                              |
| EFT                          | 2kV III                                                                              |
| Walkie talkie experiment[M]  | <10                                                                                  |
| Shock resistance[g]          | 50                                                                                   |
| Vibration resistance[g]      | 20                                                                                   |
| Housing material             | Stainless steel 304                                                                  |
| Probe material/Wetted Parts  | Stainless steel 316L                                                                 |
| Medium contacting material   | Ceramic/Stainless steel 316L/FKM                                                     |
| Function Display             |                                                                                      |
| Switching status LED         | 2 red LED                                                                            |
| System pressure/Function LED | 4 digit segment                                                                      |
| Connection                   | M12 socket                                                                           |
| Wiring                       |  |
| Core color                   |                                                                                      |
|                              |   |
| Note*                        | Use sanitary adapter for IP69K (Optional accessory)                                  |
| Installation notice          | Use the wrench to tighten Ex-proof connector with 1.5Nm of torque                    |