


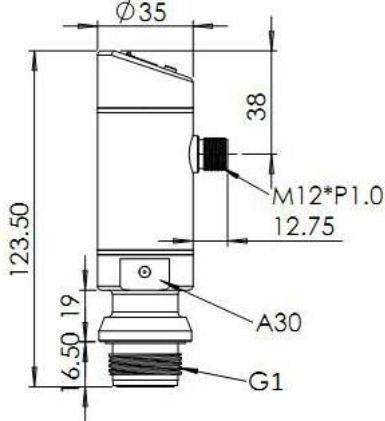
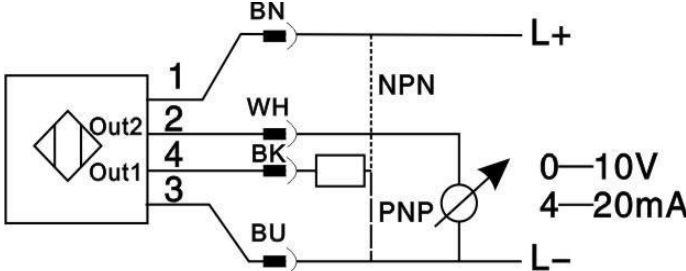
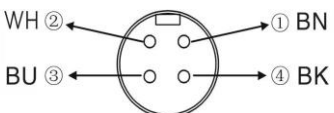


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| <p>PA3303 Sanitary Pressure Sensors M12 socket Connection: External thread G1"A Programmable Switching + Analogue output 3 digit display Sensing range -1...10bar -14...145Psi -1...10 kgf/cm2</p> |  <p>CE RoHS FDA</p> |
| Applications | Corresponding pressure Liquid and gas |
| Electric design | DC PNP / NPN |
| Output | NO  / NC  programmable, 4...20mA or 0...10V |
| Supply voltage[V] | 18...36DC |
| Short-circuit protection | Pulsed |
| Reverse polarity protection | Yes |
| Overload protection | Yes |
| Watchdog | Yes |
| Voltage drop[V] | <2 |
| Current consumption[mA] | <60 |
| Burst pressure [bar] | 12 |
| Analogue output OUT2 | 4...20 mA / 0...10V |
| Overload of analogue output[Ohm] | 4...20 mA:Max. (Ub-10V) x 50 / 0...10V:Min. 2000 |
| Switching output OUT1 | NPN/PNP |
| Overload of switching output [mA] | 300 |
| Setting range | |
| Switching point (SP) | -0.90...10bar |
| Reset point (rP) | -0.95...9.95 bar |
| In steps of | 0.05bar |
| Programming options | Hysteresis range / Window function; NO / NC; Calibration; Unit display; Output 2 setting: Current / Voltage output; Output 1 setting: NPN / PNP output |
| Deviations (% of final value measured) | |
| Accuracy of switching point | < ±0.5 |
| Characteristic deviation | < ±0.5 |
| Hysteresis | < ±0.25 |
| Stability of long-time use | < ±0.5 |
| Ambient temperature [°C/°F] | -25...80/-13...176 |
| Medium temperature [°C/°F](1.5h) | -25...150/-13...302 |
| Storage temperature[°C/°F] | -40...100/-40...212 |
| Protection/Enclosure rating | IP69K |
| Insulation resistance[MΩ] | > 100(500 V DC) |

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|---|--|
| <p>Dimension</p> |  |
| <p>ESD</p> | <p>6KV (III)</p> |
| <p>EFT</p> | <p>2KV (III)</p> |
| <p>Walkie talkie experiment[M]</p> | <p><10</p> |
| <p>Shock resistance[g]</p> | <p>50</p> |
| <p>Vibration resistance[g]</p> | <p>20</p> |
| <p>Housing material</p> | <p>Stainless steel 304</p> |
| <p>Probe material/Wetted Parts</p> | <p>Stainless steel 316L</p> |
| <p>Medium contacting material</p> | <p>Ceramic/Stainless steel 316L/FKM</p> |
| <p>Function Display</p> | |
| <p>Switching status LED</p> | <p>2 red LED</p> |
| <p>System pressure/Function LED</p> | <p>3 digit segment</p> |
| <p>Connection</p> | <p>M12 socket</p> |
| <p>Wiring</p> |  |
| <p>Core color</p>  | |
| <p>Note*</p> | <p>Use sanitary adapter for IP69K (Optional accessory)</p> |



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