


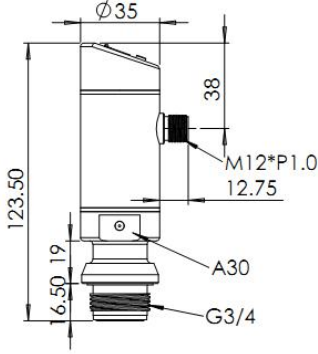
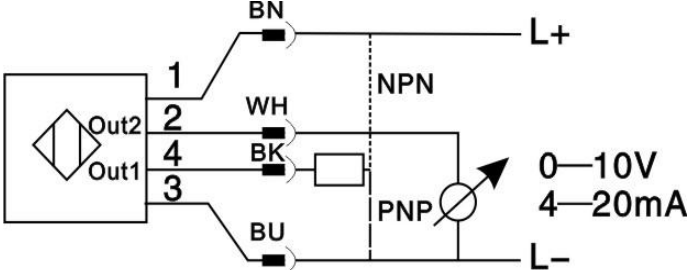
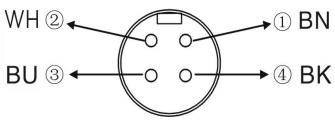


<p>PA3203 Sanitary Pressure Sensors M12 socket Connection: External thread G3/4"A Programmable Switching + Analogue output 3 digit display Sensing range -1...10bar -14...145Psi -1...10 kgf/cm2</p>	 <p>CE RoHS FDA</p>
<p>Applications</p>	<p>Corresponding pressure Liquid and gas</p>
<p>Electric design</p>	<p>DC PNP / NPN</p>
<p>Output</p>	<p>NO  NC  programmable, 4...20mA or 0...10V</p>
<p>Supply voltage[V]</p>	<p>18...36DC</p>
<p>Short-circuit protection</p>	<p>Pulsed</p>
<p>Reverse polarity protection</p>	<p>Yes</p>
<p>Overload protection</p>	<p>Yes</p>
<p>Watchdog</p>	<p>Yes</p>
<p>Voltage drop[V]</p>	<p><2</p>
<p>Current consumption[mA]</p>	<p><60</p>
<p>Burst pressure [bar]</p>	<p>12</p>
<p>Analogue output OUT2</p>	<p>4...20 mA / 0...10V</p>
<p>Overload of analogue output[Ohm]</p>	<p>4...20 mA:Max. (U_b-10V) x 50 / 0...10V:Min. 2000</p>
<p>Switching output OUT1</p>	<p>NPN/PNP</p>
<p>Overload of switching output [mA]</p>	<p>300</p>
<p>Setting range Switching point (SP) Reset point (rP) In steps of</p>	<p>-0.90...10bar -0.95...9.95 bar 0.05bar</p>
<p>Programming options</p>	<p>Hysteresis range / Window function; NO / NC; Calibration; Unit display; Output 2 setting: Current / Voltage output; Output 1 setting: NPN / PNP output</p>
<p>Deviations (% of final value measured)</p>	
<p>Accuracy of switching point</p>	<p>< ±0.5</p>
<p>Characteristic deviation</p>	<p>< ±0.5</p>
<p>Hysteresis</p>	<p>< ±0.25</p>
<p>Stability of long-time use</p>	<p>< ±0.5</p>
<p>Ambient temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Medium temperature [°C/°F](1.5h)</p>	<p>-25...150/-13...302</p>
<p>Storage temperature[°C/°F]</p>	<p>-40...100/-40...212</p>
<p>Protection/Enclosure rating</p>	<p>IP69K</p>
<p>Insulation resistance[MΩ]</p>	<p>> 100(500 V DC)</p>

<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>



ema electronics

website: www.ema-electronic.com

e-mail: sales@ema-electronic.com