


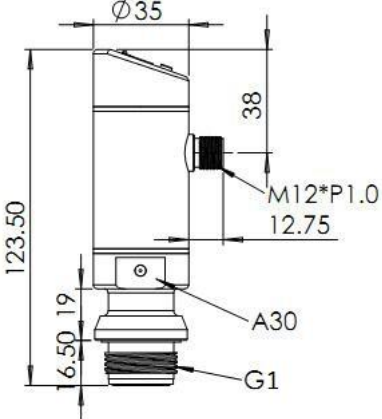
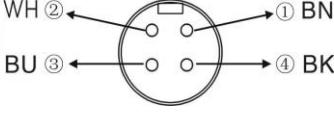
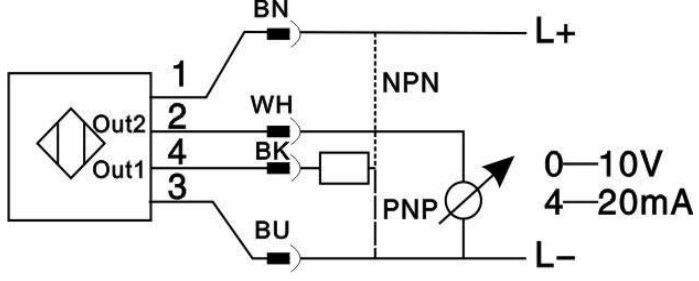


<p>PA3301 Sanitary Pressure Sensors M12 socket Connection: External thread G1"A Programmable Switching + Analogue output 3 digit display Sensing range -1...2bar -14...29Psi -1...2kgf/cm2</p>	 <p>CE RoHS FDA</p>
Applications	Corresponding pressure Liquid and gas
Electric design	DC PNP / NPN
Output	NO  / 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]	25
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)	-0.98...2bar
Reset point (rP)	-0.99...1.99bar
In steps of	0.01bar
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)

<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></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></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