




<p>PA3204 Sanitary Pressure Sensor M12 socket Connection: External thread G3/4"A Programmable Switching + Analogue output 3 digit display Sensing range -1...20bar -14...290Psi -1...20 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>&lt;2</p>
<p>Current consumption[mA]</p>	<p>&lt;60</p>
<p>Sensing range [bar]</p>	<p>1...20</p>
<p>Overload pressure [bar]</p>	<p>35</p>
<p>Burst pressure [bar]</p>	<p>50</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<sub>b</sub>-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>-0.8...20bar -0.9...19.9 bar 0.1bar</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>&lt; ±0.5</p>
<p>Characteristic deviation</p>	<p>&lt; ±0.5</p>
<p>Hysteresis</p>	<p>&lt; ±0.25</p>
<p>Stability of long-time use</p>	<p>&lt; ±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>

Protection/Enclosure rating	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	3 digit segment
Connection	M12 socket
Wiring	
Core color	
Note*	Use sanitary adapter for IP69K (Optional accessory)



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