




<p>PA1166 Electronic Pressure Sensor M12 socket Connection: Internal thread G1/4 Programmable Switching + Analogue output 3 digit display Sensing range 0...100 bar 0...1450 Psi 0...100 kgf/cm2</p>	 <p>CE RoHS</p>
<p>Applications</p>	<p>Pressure: corresponding pressure Liquid and gas</p>
<p>Electric design</p>	<p>DC PNP / NPN</p>
<p>Output</p>	<p>NO  /NC  programmable</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>Overloading Pressure [bar]</p>	<p>150</p>
<p>Burst pressure [bar]</p>	<p>300</p>
<p>Analogue output OUT2</p>	<p>NPN/PNP</p>
<p>Overload of analogue output[Ohm]</p>	<p>300</p>
<p>Switching output OUT1</p>	<p>NPN/PNP</p>
<p>Overload of switching output [mA]</p>	<p>300</p>
<p>Setting range</p>	<p>Switching point (SP) 1...100bar Reset point (rP) 0.5...99.5 bar In steps of 0.5bar</p>
<p>Programming options</p>	<p>Hysteresis range / Window function; NO / NC; Calibration; Unit display; Output 2 setting: NPN / PNP 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]</p>	<p>-25...80/-13...176</p>
<p>Storage temperature[°C/°F]</p>	<p>-40...100/-40...212</p>
<p>Protection/Enclosure Rating</p>	<p>IP68</p>
<p>Insulation resistance[MΩ]</p>	<p>&gt; 100(500 V DC)</p>

Dimension	<p style="text-align: right;">Unit mm</p>
ESD[KV]	III
EFT[KV]	III
Walkie talkie experiment[M]	1
Shock resistance[g]	50
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	Stainless steel 316L
Medium contacting material	Ceramic/S316L/FGFKM
Function Display	
Switching status LED	2 red LED
System pressure, function LED	3 digit segment
Connection	M12 socket
Wiring	
Core color	



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