




<p>PA1102          Pressure sensor          M12 socket          Thread connection: G1/4          Programmable          Digital / Analog output          3-digit display          Sensing range          0...5bar          0...72.5Psi          0...0.5MPa          5.099 kgf/cm<sup>2</sup></p>	 <p>CE RoHS</p>
Application	Pressure: corresponding pressure Liquid and gas
Electric design	DC PNP / NPN
Output	NO  /NC  , adjustable ; 4...20mA or 0...10V
Operating voltage [V]	18...36DC
Short-circuit protection	Pulse
Reverse polarity protection	Yes
Overload protection	To 40 V
Watchdog	Yes
Voltage drop [V]	<2
Current consumption [mA]	<50
Pressure rating [bar]	10
Min. bursting pressure [bar]	15
Analog output 2	4...20 mA / 0...10V
Loading for analog output [Ohm]	4...20 mA:Max. (U <sub>b</sub> -10V) x 50 / 0...10V:Min. 2000
Digital output 1	NPN/PNP
Loading for digital output [mA]	300
Range setting	
Switching point (SP)	0.01...5bar
Reset point (rP)	0...4.99 bar
Interval setting	0.01 bar
Program selection	Hysteresis range / Window function; NO / NC; Calibration; Unit display; Output 2 setting: Current / Voltage output; Output 1 setting: NPN / PNP output.
Measuring error [% of the final value]	
Accuracy	< ±0.05
Characteristics deviation	< ±0.5
Hysteresis range	< ±0.25
Long-term stability	< ±0.05
Power-on delay time [s]	0.3
Switching frequency [Hz]	170...1
Analog output response time [ms]	< 3
Operating temperature[°C]	-20...80
Medium temperature [°C]	-20...80

Storage temperature [°C]	-40...100
Protection classification	IP67
Insulation resistance [MΩ]	> 100(500 V DC)
Dimension	
Shock resistance [g]	50
Vibration resistance [g]	20
Housing material	Aluminum alloy · Stainless steel (S304) ; PBT+30%GF
Medium contacting material	S304;Ceramic ; FPM ( Viton)
Function LED	
Switching status LED	2-red LED
Operating LED	4-red LED
System pressure, function	3-digit segment
Connection	M12 socket
Wiring	
Core color	



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