

PA1148 Electronic Pressure Sensor M12 socket Connection: Internal thread G1/4 Programmable Switching + Analogue output 3 digit display Sensing range 0...250 bar 0...3625 Psi 0...255 kgf/cm2	 CE RoHS
Applications	Pressure: 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
Overloading Pressure [bar]	375
Burst pressure [bar]	500
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)	2...250bar
Reset point (rP)	1...249bar
In steps of	1bar
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]	-25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance[MΩ]	> 100(500 V DC)

Dimension	Unit mm
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	