

PA1160 Electronic Pressure Sensor M12 socket Connection: Internal thread G1/4 Programmable Switching + Analogue output 3 digit display Sensing range -1...1 bar -14...14 Psi -1...1 kgf/cm ²	 CE RoHS
Applications	Negative pressure: corresponding pressure
Electric design	Liquid and gas
Output	DC PNP / NPN
Supply voltage[V]	18...36DC
Short-circuit protection	NO  /NC  programmable
Reverse polarity protection	Pulsed
Overload protection	Yes
Watchdog	Yes
Voltage drop[V]	Yes
Current consumption[mA]	<2
Overloading Pressure [bar]	<60
Burst pressure [bar]	4
Analogue output OUT2	5
Overload of analogue output[Ohm]	NPN/PNP
Switching output OUT1	300
Overload of switching output [mA]	NPN/PNP
Setting range	300
Switching point (SP)	-0.98...1bar
Reset point (rP)	-0.99...0.99 bar
In steps of	0.01bar
Programming options	Hysteresis range / Window function; NO / NC; Calibration; Unit display; Output 2 setting: NPN / PNP 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	