

# Product data sheet

Specifications



## Pressure switch 9012G, adjustable scale, 2 thresholds, 0.2 to 10 PSIG

9012GAW1Z

### Main

Range of product	9012G
Pressure sensor type	Electromechanical pressure switch
Pressure sensor name	9012G
Pressure rating	68.95 kPa
Maximum pressure	100 psi
Contacts type and composition	NC-NO, SPDT-DB, Form Z, snap action, silver nickel contacts
Controlled fluid	Hydraulic oil (-40...121 °C) Non-corrosive liquids Air Non-corrosive gas
Fluid connection type	0.25 inch 18 NPT conforming to UL 508
Pressure switch type of operation	Regulation between 2 thresholds
Scale type	Adjustable differential
Local display	Without

### Complementary

Range on decreasing pressure	1.38...68.95 kPa
Approx adjustable differential at mid range	4.14...13.79 kPa +/- 2.5 % full scale
Cable entry	0.5 inch NPT conduit entrance
Terminal block type	4 screw terminals
Electrical connection	Screw-clamp terminals, AWG 22...AWG 12
Electrical circuit type	Control circuit
Local signalling	Without:
[In] rated current	3 A 240 V AC A600 conforming to NEMA rating designation 0.22 A 125 V DC A600 conforming to NEMA rating designation 3 A 240 V AC R300 conforming to NEMA rating designation 0.27 A 250 V DC R300 conforming to NEMA rating designation
Setting	Internal
Enclosure material	Die cast aluminium alloy 380
Pressure actuator	Diaphragm nitrile (Buna-N)
Height	158.50 mm

<b>Depth</b>	115.82 mm
<b>Width</b>	128.27 mm
<b>Operating position</b>	Any position
<b>Materials in contact with fluid</b>	3M Scotch-Grip 847 rubber and gasket adhesive Nitrile (Buna-N)
<b>Short-circuit protection</b>	10 A cartridge overload and short-circuit protection, type gL
<b>Maximum operating rate</b>	120 cyc/mn
<b>Mechanical durability</b>	5000000 cycles
<b>Repeat accuracy</b>	4 %
<b>Net weight</b>	1.36 kg

## Environment

<b>Vibration resistance</b>	2 gn (f= 40...150 Hz) conforming to IEC 68-2-6
<b>Shock resistance</b>	50 gn conforming to IEC 58-2-27
<b>Standards</b>	UL 508 CSA C22.2 No 14 CE
<b>Product certifications</b>	CSA LR25490 class 3211 03 UL listed file E12158 CCN NKPZ and CCN NTHT CSA LR25490 class 3211 03
<b>NEMA degree of protection</b>	NEMA 4/4X/13 conforming to UL 50
<b>Ambient air temperature for operation</b>	-23...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	14.7 cm
<b>Package 1 Width</b>	18.5 cm
<b>Package 1 Length</b>	19.8 cm
<b>Package 1 Weight</b>	1.99 kg

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>California proposition 65</b>	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

<b>Warranty</b>	18 months
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**Recommended replacement(s)**