

# 9012GAW5V1

Pressure switch 9012G, adjustable scale - 2 thresholds - 3.0 to 150 psig



## Main

Range of product	9012G
Pressure sensor type	Electromechanical pressure switch
Pressure sensor name	9012G
Pressure rating	1034.2 kPa
Maximum pressure	475 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 NPTF conforming to UL 508
Pressure switch type of operation	Regulation between 2 thresholds
Scale type	Adjustable differential
Local display	With range scale window

## Complementary

Range on decreasing pressure	20.7...1034.2 kPa
Approx adjustable differential at mid range	41.37...206.84 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 6 A 120 V AC A600 conforming to NEMA rating designation 0.27 A 250 V DC Q600 conforming to NEMA rating designation 0.22 A 125 V DC Q600 conforming to NEMA rating designation
Setting	Internal
Enclosure material	Die cast aluminium alloy 380
Pressure actuator	Diaphragm nitrile (Buna-N)
Height	140.97 mm
Depth	66.80 mm
Width	88.9 mm
Operating position	Any position
Materials in contact with fluid	Zinc plated steel Nitrile (Buna-N)
Short-circuit protection	10 A cartridge overload and short-circuit protection, type gL
Maximum operating rate	120 cyc/mn
Mechanical durability	5000000 cycles
Repeat accuracy	4 %
Net weight	1.4 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

Vibration resistance	2 gn (f= 40...150 Hz) conforming to IEC 68-2-6
Shock resistance	50 gn conforming to IEC 58-2-27
Standards	CE CSA C22.2 No 14 UL 508
Product certifications	CSA LR25490 class 3211 03[RETURN]UL listed file E12158 CCN NKPZ and CCN NTHT[RETURN]CSA LR25490 class 3211 03
NEMA degree of protection	NEMA 4/4X/13 conforming to UL 50
Ambient air temperature for operation	-10...185 °F

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

## Offer Sustainability

California proposition 65	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>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

Warranty	18 months
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