

Product data sheet
Characteristics

9012GRO4

Pressure switch 9012G, fixed scale, 1 threshold, 1.5 to 75 PSIG



Main

Range of product	9012G
Pressure sensor type	Electromechanical pressure switch
Pressure sensor name	9012G
Pressure rating	517.1 kPa
Maximum pressure	240 psi
Contacts type and composition	NC-NO, SPDT, Form C, snap action, silver nickel contacts
Controlled fluid	Hydraulic oil (-40...121 °C) Non-corrosive liquids (-40...121 °C) Air (-40...121 °C) Non-corrosive gas (-40...121 °C)
Fluid connection type	0.25 inch 18 NPTF conforming to UL 508
Pressure switch type of operation	Detection of 1 single threshold
Scale type	Fixed differential
Local display	Without

Complementary

Range on decreasing pressure	10.34...517.11 kPa
Approx fix differential at mid range	15.17 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 0.27 A 250 V DC R300 conforming to NEMA rating designation 0.22 A 125 V DC R300 conforming to NEMA rating designation
Setting	Internal
Pressure actuator	Diaphragm nitrile (Buna-N)
Height	137.41 mm
Depth	62.48 mm
Width	52.32 mm
Operating position	Any position
Materials in contact with fluid	Nitrile (Buna-N) 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	0.9 kg

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	UL 508 CSA C22.2 No 14 CE
Product certifications	UL listed[RETURN]CSA LR25490 class 3211 03
NEMA degree of protection	No enclosure rating (open device) conforming to UL 508
Ambient air temperature for operation	-10...185 °F

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	22.581 cm
Package 1 Width	8.89 cm
Package 1 Length	57.355 cm
Package 1 Weight	907.185 g

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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 www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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