# *Product datasheet*
## *Characteristics*

# 9012GCW21G18

## Main

| | |
|---|---|
| Range of product | 9012G |
| Pressure sensor type | Electromechanical pressure switch |
| Pressure sensor name | 9012G |
| Pressure sensor size | 1000 psi |
| Maximum pressure | 1000 psi |
| Contacts type and composition | 2(NC-NO), DPDT-DB, Form ZZ, snap action, silver nickel contacts |
| Controlled fluid | Air<br>Non-corrosive liquids<br>Non-corrosive gas<br>Hydraulic oil (-15...250 °F) |
| 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 | Without |

## Complementary

| | |
|---|---|
| Range on decreasing pressure | 20...1000 psi |
| Approx adjustable differential at mid range | 59...200 psi +/- 2.5 % full scale |
| Cable entry | 0.5 inch NPT conduit entrance |
| Terminal block type | 8 screw terminals |
| Electrical connection | Screw-clamp terminals, AWG 22...AWG 12 |
| Electrical circuit type | Control circuit |
| Local signalling | 1 neon (red) AC/DC at 120 V (voltage limits:105...125 V |
| [In] rated current | 6 A (Ue = 120 V AC)<br>0.22 A (Ue = 125 V DC) |
| Setting | Internal |
| Enclosure material | Die cast aluminium alloy 380 |
| Pressure actuator | Piston |
| Height | 6.37 in |
| Depth | 3.11 in |
| Width | 3.5 in |
| Operating position | Any position |
| Materials in contact with fluid | Teflon<br>Viton fluorocarbon<br>440 stainless steel<br>303 stainless steel |
| Short-circuit protection | 10 A by gL (cartridge) overload and short-circuit protection |
| Operating rate | <= 120 cyc/mn |
| Mechanical durability | 3000000 cycles |
| Repeat accuracy | 4 % |
| Product weight | 3 lb(US) |

## Environment

| | |
|---|---|
| vibration resistance | 2 gn conforming to IEC 68-2-6 (f = 40...150 Hz) |
| shock resistance | 50 gn conforming to IEC 58-2-27 |
| standards | CE<br>UL 508<br>CSA C22.2 No 14 |
| product certifications | CE<br>CSA LR25490 class 3211 03 |

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.
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| | |
|---|---|
| | UL listed file E12158 CCN NKPZ and CCN NTHT |
| NEMA degree of protection | NEMA 4/4X/13 conforming to UL 50 |
| ambient air temperature for operation | -10...185 °F |

## Offer Sustainability

| | |
|---|---|
| Not Green Premium product | Not Green Premium product |
| Will not be Compliant | Will not be Compliant |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the threshold |
| Available | Available |
| Available | Available |
| WARNING: This product can expose you to chemicals including: | WARNING: This product can expose you to chemicals including: |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and | 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. | 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 more information go to www.p65warnings.ca.gov |

## Contractual warranty

| | |
|---|---|
| Warranty period | 18 months |

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
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**Данный компонент на территории Российской Федерации**

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http://moschip.ru/get-element

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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