

# 9012GAW5K1

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                   | 150 psi (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 (-40...250 °F))<br>Non-corrosive liquids -40...121 °C (-40...250 °F))<br>Air -40...121 °C (-40...250 °F))<br>Non-corrosive gas -40...121 °C (-40...250 °F)) |
| Fluid connection type             | 0.25 inch 18 NPTF 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                | 3...150 psi (20.7...1034.2 kPa)                                                                                                                                                        |
| Control Type                                | With adjustment slotted for screwdriver                                                                                                                                                |
| Approx adjustable differential at mid range | 6...30 psi (41.4...206.8 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                                                                                                                                                 |
| Terminal identifier                         | (1-5)NO<br>(2-4)NC                                                                                                                                                                     |
| Electrical circuit type                     | Control circuit                                                                                                                                                                        |
| Local signalling                            | Without                                                                                                                                                                                |
| Line Rated Current                          | 3 A 240 V AC A600 NEMA rating designation<br>6 A 120 V AC A600 NEMA rating designation<br>0.27 A 250 V DC Q600 NEMA rating designation<br>0.22 A 125 V DC Q600 NEMA rating designation |
| Setting                                     | External                                                                                                                                                                               |
| Enclosure Material                          | Die cast aluminium alloy 380                                                                                                                                                           |
| Pressure actuator                           | Diaphragm nitrile (Buna-N)                                                                                                                                                             |
| Height                                      | 5.72 in (145.29 mm)                                                                                                                                                                    |
| Depth                                       | 2.63 in (66.80 mm)                                                                                                                                                                     |
| Width                                       | 3.5 in (88.9 mm)                                                                                                                                                                       |
| Operating position                          | Any position                                                                                                                                                                           |
| Materials in contact with fluid             | Zinc plated steel<br>Zinc plated steel                                                                                                                                                 |
| Short-circuit protection                    | 10 A cartridge overload and short-circuit protection gL                                                                                                                                |
| Maximum operating rate                      | 120 cyc/mn                                                                                                                                                                             |
| Mechanical durability                       | 5000000 cycles                                                                                                                                                                         |
| Repeat accuracy                             | 4 %                                                                                                                                                                                    |
| Net Weight                                  | 3 lb(US) (1.4 kg)                                                                                                                                                                      |

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## Environment

|                                       |                                                                    |
|---------------------------------------|--------------------------------------------------------------------|
| Vibration resistance                  | 2 gn 40...150 Hz)IEC 68-2-6                                        |
| Shock resistance                      | 50 gn IEC 58-2-27                                                  |
| Standards                             | UL 508<br>CSA C22.2 No 14<br>CE                                    |
| Product Certifications                | UL Listed[RETURN]UL listed Marine[RETURN]CSA LR25490 class 3211 03 |
| NEMA degree of protection             | NEMA 4/4X/13 UL 50                                                 |
| Ambient Air Temperature for Operation | -23...85 °C (-10...185 °F)                                         |

## Ordering and shipping details

|                   |              |
|-------------------|--------------|
| Category          | US1CP7G21522 |
| Discount Schedule | CP7G         |
| GTIN              | 785901047735 |
| Returnability     | Yes          |
| Country of origin | US           |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 9.50 in (24.13 cm)       |
| Package 1 Width              | 6.25 in (15.875 cm)      |
| Package 1 Length             | 4.75 in (12.065 cm)      |
| Package 1 Weight             | 3.0005 lb(US) (1.361 kg) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SCIP Number                | 2583cb1c-4f92-48e8-b07f-13f46b1cbe57                                                                                                                                                                                                                                                                                                                                              |
| 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> |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                                                                                                        |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| RoHS exemption information |  Yes                                                                                                                                                                                                                                                                                           |

## Contractual warranty

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