

# 9012GHW1

Pressure switch 9012G, adjustable scale, 2 thresholds, 0 to 500 PSIG

## Main

|                                   |                                                                                                                                                                                        |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product                  | 9012G                                                                                                                                                                                  |
| Pressure sensor type              | Electromechanical pressure switch                                                                                                                                                      |
| Pressure sensor name              | 9012G                                                                                                                                                                                  |
| Pressure Rating                   | 500 psi (3447.4 kPa)                                                                                                                                                                   |
| Maximum pressure                  | 850 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 | Monitors the difference between 2 thresholds                                                                                                                                           |
| Scale type                        | Adjustable differential                                                                                                                                                                |
| Local display                     | Without                                                                                                                                                                                |

## Complementary

|                                             |                                                                                                                                                                                        |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range on decreasing pressure                | 0...500 psi (0.0000000000...3447.4 kPa)                                                                                                                                                |
| Approx adjustable differential at mid range | 22...90 Psi (151.7...620.5 kPa) increasing<br>3...175 psi (20.7...1206.6 kPa) decreasing +/- 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                                                                                                                                                                                |
| Line Rated Current                          | 3 A 240 V AC A600 NEMA rating designation<br>6 A 120 V AC A600 NEMA rating designation<br>0.22 A 125 V DC R300 NEMA rating designation<br>0.11 A 250 V DC R300 NEMA rating designation |
| Setting                                     | Internal                                                                                                                                                                               |
| Enclosure Material                          | Die cast aluminium alloy 380                                                                                                                                                           |
| Pressure actuator                           | Diaphragm nitrile (Buna-N)                                                                                                                                                             |
| Height                                      | 6.76 in (171.70 mm)                                                                                                                                                                    |
| Depth                                       | 2.63 in (66.80 mm)                                                                                                                                                                     |
| Width                                       | 3.5 in (88.9 mm)                                                                                                                                                                       |
| Operating position                          | Any position                                                                                                                                                                           |
| Materials in contact with fluid             | Nitrile (Buna-N)<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                                  | 2.5 lb(US) (1.1 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 Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## 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              | 785901048701 |
| Returnability     | Yes          |
| Country of origin | MX           |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Number of Units in Package 1 | 1                       |
| Package 1 Height             | 24.13 in (61.29 cm)     |
| Package 1 Width              | 9.50 in (24.13 cm)      |
| Package 1 Length             | 61.29 in (155.677 cm)   |
| Package 1 Weight             | 2.500 lb(US) (1.134 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         | Not applicable, out of EU RoHS legal scope                                                                                                                                                                                                                                                                                                                                        |

## Contractual warranty

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