

## Pressure switch 9012G, adjustable scale, 2 thresholds, 13 to 425 PSIG



### Main

|                                   |                                                                                                                                |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Range of product                  | 9012G                                                                                                                          |
| Pressure sensor type              | Electromechanical pressure switch                                                                                              |
| Pressure sensor name              | 9012G                                                                                                                          |
| Pressure rating                   | 2930.27 kPa                                                                                                                    |
| Maximum pressure                  | 850 psi                                                                                                                        |
| Contacts type and composition     | 2(NC-NO), DPDT-DB, Form ZZ, snap action, silver nickel contacts                                                                |
| Controlled fluid                  | Hydraulic oil (-40...121 °C)<br>Non-corrosive liquids (-40...121 °C)<br>Air (-40...121 °C)<br>Non-corrosive gas (-40...121 °C) |
| 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                | 89.63...2930.27 kPa                                                                                                                                                                                                                            |
| Approx adjustable differential at mid range | 110.32...620.53 kPa +/- 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                                                                                                                                                                                                         |
| Terminal identifier                         | (2-4)NC<br>(3)gnd                                                                                                                                                                                                                              |
| Electrical circuit type                     | Control circuit                                                                                                                                                                                                                                |
| Local signalling                            | Without:                                                                                                                                                                                                                                       |
| [In] rated current                          | 3 A 240 V AC A600 conforming to NEMA rating designation<br>6 A 120 V AC A600 conforming to NEMA rating designation<br>0.22 A 125 V DC R300 conforming to NEMA rating designation<br>0.11 A 250 V DC R300 conforming to NEMA rating designation |
| Setting                                     | Internal                                                                                                                                                                                                                                       |
| Enclosure material                          | Die cast aluminium alloy 380                                                                                                                                                                                                                   |
| Pressure actuator                           | Diaphragm nitrile (Buna-N)                                                                                                                                                                                                                     |
| Height                                      | 138.43 mm                                                                                                                                                                                                                                      |
| Depth                                       | 66.80 mm                                                                                                                                                                                                                                       |
| Width                                       | 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, 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                             | 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 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         |
| Package 1 Height             | 24.13 cm  |
| Package 1 Width              | 15.875 cm |
| Package 1 Length             | 12.065 cm |
| Package 1 Weight             | 1.361 kg  |

## 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 |
|----------|-----------|