



**Main**

|                                   |  |
|-----------------------------------|--|
| Range of product                  | 9012G  |
| Pressure sensor type              | Electromechanical pressure switch  |
| Pressure sensor name              | 9012G  |
| Pressure rating                   | 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)<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                | 20.7...1034.2 kPa   |
| Approx adjustable differential at mid range | 41.37...206.84 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                         | (3)Gnd<br>(1-5)NO   |
| Electrical circuit type                     | Control circuit   |
| Local signalling                            | 1 neon: (clear) 120 V AC/DC (105...125 V)                     |
| [In] rated current                          | 6 A 120 V AC<br>0.22 A 125 V DC                               |
| Setting                                     | Internal  |
| Enclosure material                          | Die cast aluminium alloy 380                                  |
| Pressure actuator                           | Diaphragm nitrile (Buna-N)                                    |
| Height                                      | 140.97 mm   |
| Depth                                       | 78.99 mm  |
| Width                                       | 88.9 mm   |
| Operating position                          | Any position  |
| Materials in contact with fluid             | Zinc plated steel<br>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                                  | 1.4 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<br>CSA C22.2 No 14<br>CE                                     |
| Product certifications                | UL listed[RETURN]JUL 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             | 61.29 cm   |
| Package 1 Width              | 24.13 cm   |
| Package 1 Length             | 155.677 cm |
| Package 1 Weight             | 1.338 kg   |

## Offer Sustainability

|  |   |
|--|---|
| Sustainable offer status                   | Green Premium product   |
| 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 <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 |
|----------|-----------|