



## Main

|                                   |                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------|
| Range of product                  | 9012G                                                                             |
| Pressure sensor type              | Electromechanical pressure switch                                                 |
| Pressure sensor name              | 9012G                                                                             |
| Pressure sensor size              | 9000 psi                                                                          |
| Maximum pressure                  | 25000 psi                                                                         |
| Contacts type and composition     | NC-NO, SPDT-DB, Form Z, 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                | 270...9000 psi                                                             |
| Approx adjustable differential at mid range | 495...1900 psi +/- 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                            | 1 neon (clear) 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. 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.

|                                       |                                             |
|---------------------------------------|---------------------------------------------|
|                                       | 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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

### Contractual warranty

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