



### Main

|                                   |                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------|
| Range of product                  | 9012G                                                                             |
| Pressure sensor type              | Electromechanical pressure switch                                                 |
| Pressure sensor name              | 9012G                                                                             |
| Pressure sensor size              | 500 psi                                                                           |
| 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...250 °F)<br>Non-corrosive liquids<br>Air<br>Non-corrosive gas |
| Fluid connection type             | 0.25 inch 18 NPTF conforming to 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                                                                                                                                                                                                                                    |
| Approx adjustable differential at mid range | 22...90 psi increasing<br>3...175 psi decreasing +/- 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                                                                                                                                                                                                         |
| 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                                      | 6.76 in                                                                                                                                                                                                                                        |
| Depth                                       | 2.63 in                                                                                                                                                                                                                                        |

Disclaimer: 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

|                                 |                                                               |
|---------------------------------|---------------------------------------------------------------|
| Width                           | 3.5 in                                                        |
| 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, type gL |
| Maximum operating rate          | 120 cyc/mn                                                    |
| Mechanical durability           | 5000000 cycles                                                |
| Repeat accuracy                 | 4 %                                                           |
| Net weight                      | 2.5 lb(US)                                                    |

## 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                             | CE<br>CSA C22.2 No 14<br>UL 508                                                |
| Product certifications                | CE<br>UL listed file E12158 CCN NKPZ and CCN NTHT<br>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                                                                   |

## Offer Sustainability

|                          |                                               |
|--------------------------|-----------------------------------------------|
| REACH Regulation         | <a href="#">REACH Declaration</a>             |
| EU RoHS Directive        | Not applicable, out of EU RoHS legal scope    |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a> |
| Circularity Profile      | <a href="#">End of Life Information</a>       |

## Contractual warranty

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