

## 9012GFWM2

pressure switch 9012G - fixed scale - 1 threshold -  
90 to 2900 PSIG psig



### Main

|                                   |   |
|-----------------------------------|---|
| Range of product                  | 9012G   |
| Pressure sensor type              | Electromechanical pressure switch   |
| Pressure sensor name              | 9012G   |
| Pressure sensor size              | 2900 psi  |
| Maximum pressure                  | 15000 psi   |
| Contacts type and composition     | NC-NO, 2 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 BS2779 parallel pipe thread conforming to UL 508                        |
| Pressure switch type of operation | Detection of 1 single threshold   |
| Scale type                        | Fixed   |
| Local display                     | Without   |

### Complementary

|                                      |  |
|--------------------------------------|--|
| Range on decreasing pressure         | 90...2900 psi  |
| Approx fix differential at mid range | 170 psi +/- 2.5 % full scale   |
| Cable entry                          | 20 mm BS4568 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  |
| [In] rated current                   | 3 A (Ue = 240 V AC) contact code: A600 conforming to NEMA rating designation<br>6 A (Ue = 120 V AC) contact code: A600 conforming to NEMA rating designation<br>0.27 A (Ue = 250 V DC) contact code: R300 conforming to NEMA rating designation<br>0.22 A (Ue = 125 V DC) contact code: R300 conforming to NEMA rating designation |
| Setting                              | Internal   |
| Enclosure material                   | Die cast aluminium alloy 380   |
| Pressure actuator                    | Piston   |
| Height                               | 6.24 in  |
| Depth                                | 2.63 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  |

UL 508  
CSA C22.2 No 14

|                                       |   |
|---------------------------------------|---|
| product certifications                | CE<br>CSA LR25490 class 3211 03<br>UL listed file E12158 CCN NKPZ |
| NEMA degree of protection             | NEMA 4/4X/13 conforming to UL 50                                  |
| ambient air temperature for operation | -10...185 °F  |

### Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Not Green Premium product                         |
| RoHS (date code: YYWW)           | Will not be Compliant                             |
| REACH                            | Reference not containing SVHC above the threshold |
| Product environmental profile    | Available   |
| Product end of life instructions | Available   |

### Contractual warranty

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