# Product data sheet
## Characteristics

# 9012GFW3
## pressure switch 9012G - fixed scale - 1 threshold - 170 to 5600 PSIG psig



## Main

| | |
|---|---|
| Range of product | 9012G |
| Pressure sensor type | Electromechanical pressure switch |
| Pressure sensor name | 9012G |
| Pressure sensor size | 38610.64 kPa |
| Maximum pressure | 20000 psi |
| Contacts type and composition | NC-NO, 2 SPDT-DB, Form Z, snap action, silver nickel contacts |
| Controlled fluid | Hydraulic oil (-26…121 °C)<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 | Detection of 1 single threshold |
| Scale type | Fixed |
| Local display | Without |

## Complementary

| | |
|---|---|
| Range on decreasing pressure | 1172.11…38610.64 kPa |
| Approx fix differential at mid range | 1992.58 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 |
| 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>0.27 A 250 V DC R300 conforming to NEMA rating designation<br>0.22 A 125 V DC R300 conforming to NEMA rating designation |
| Setting | Internal |
| Enclosure material | Die cast aluminium alloy 380 |
| Pressure actuator | Piston |
| Height | 140.97 mm |
| Depth | 66.80 mm |

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 | 88.90 mm |
| Operating position | Any position |
| Materials in contact with fluid | Teflon<br>440 stainless steel<br>Viton fluorocarbon<br>303 stainless steel |
| Short-circuit protection | 10 A cartridge overload and short-circuit protection, type gL |
| Maximum operating rate | 120 cyc/mn |
| Mechanical durability | 3000000 cycles |
| Repeat accuracy | 4 % |
| Net weight | 1.36 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 | CSA C22.2 No 14<br>CE<br>UL 508 |
| 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 | -23…85 °C |

## Packing Units

| | |
|---|---|
| Package 1 Weight | 1.361 kg |
| Package 1 Height | 24.130 cm |
| Package 1 width | 15.875 cm |
| Package 1 Length | 12.065 cm |

## Offer Sustainability

| | |
|---|---|
| EU RoHS Directive | Not applicable, out of EU RoHS legal scope |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

## Contractual warranty

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