



## Main

|                                   |                                                                                   |
|-----------------------------------|-----------------------------------------------------------------------------------|
| Range of product                  | 9012G                                                                             |
| Pressure sensor type              | Electromechanical pressure switch                                                 |
| Pressure sensor name              | 9012G                                                                             |
| Pressure sensor size              | 150 psi                                                                           |
| Maximum pressure                  | 475 psi                                                                           |
| Contacts type and composition     | NC-NO, SPDT-DB, Form Z, snap action, silver nickel contacts                       |
| Controlled fluid                  | Air<br>Hydraulic oil (-40...250 °F)<br>Non-corrosive liquids<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         | 3...150 psi                                                  |
| Approx fix differential at mid range | 6 psi +/- 2.5 % full scale                                   |
| Terminal block type                  | 4 screw terminals                                            |
| Electrical connection                | 1 male connector (mini) 5 pins                               |
| Terminal identifier                  | (3)Gnd<br>(1-5)NC<br>(2-4)NO                                 |
| Electrical circuit type              | Control circuit                                              |
| Local signalling                     | 1 LED (red) DC at 24 V                                       |
| [In] rated current                   | 2.75 A (Ue = 24 V DC)                                        |
| Setting                              | Internal                                                     |
| Enclosure material                   | Die cast aluminium alloy 380                                 |
| Pressure actuator                    | Diaphragm (nitrile (Buna-N))                                 |
| Height                               | 5.55 in                                                      |
| Depth                                | 3.11 in                                                      |
| Width                                | 3.5 in                                                       |
| Operating position                   | Any position                                                 |
| Materials in contact with fluid      | Zinc plated steel<br>Nitrile (Buna-N)                        |
| Short-circuit protection             | 10 A by gL (cartridge) overload and short-circuit protection |
| Operating rate                       | <= 120 cyc/mn                                                |
| Mechanical durability                | 5000000 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<br>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                                                                   |

## Ordering and shipping details

|                       |                                             |
|-----------------------|---------------------------------------------|
| Category              | 21522 - 9012 G INDUSTRIAL PRESSURE SWITCHES |
| Discount Schedule     | CP7G                                        |
| GTIN                  | 00785901048473                              |
| Nbr. of units in pkg. | 1                                           |
| Package weight(Lbs)   | 3                                           |
| Returnability         | N                                           |
| Country of origin     | MX                                          |

## Offer Sustainability

|                                  |                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                  |
| California proposition 65        | WARNING: This product can expose you to chemicals including:                                                               |
| - - - - - Substance 1            | Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                |
| - - - - - Substance 2            | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| - - - - - More information       | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[9012GDW5G22H11](#)