



Main

Range of product	9012G
Pressure sensor type	Electromechanical pressure switch
Pressure sensor name	9012G
Pressure sensor size	10 psi
Maximum pressure	100 psi
Contacts type and composition	NC-NO, SPDT-DB, Form Z, snap action, silver nickel contacts
Controlled fluid	Air Hydraulic oil (-40...250 °F) Non-corrosive liquids Non-corrosive gas
Fluid connection type	0.44 inch 20 UNF-2B conforming to UL 508
Pressure switch type of operation	Regulation between 2 thresholds
Scale type	Adjustable differential
Local display	With range scale window

Complementary

Range on decreasing pressure	0.2...10 psi
Approx adjustable differential at mid range	0.6...2 psi +/- 2.5 % full scale
Terminal block type	4 screw terminals
Electrical connection	1 male connector (mini) 5 pins
Terminal identifier	(3)gnd (2-4)NC (1-5)NO
Electrical circuit type	Control circuit
Local signalling	1 neon (clear) AC/DC at 120 V (voltage limits:105...125 V)
[In] rated current	0.22 A (Ue = 125 V DC) 3 A (Ue = 120 V AC)
Setting	Internal
Enclosure material	Die cast aluminium alloy 380
Pressure actuator	Diaphragm (nitrile (Buna-N))
Height	6.24 in
Depth	4.56 in

Width	5.05 in
Operating position	Any position
Materials in contact with fluid	Zinc plated steel Nitrile (Buna-N) 3M Scotch-Grip 847 rubber and gasket adhesive
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 UL 508 CSA C22.2 No 14
Product certifications	CE CSA LR25490 class 3211 03 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

Contractual warranty

Warranty period	18 months
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