

Product data sheet

Characteristics

9016GAW1V1

vacuum switch 9016G - adjustable scale - 2 thresholds - Set 0 to 28.7 InHg



Main

Range of product	9016G
Product or component type	Electromechanical vacuum switch
Device application	Sensitive control application
Device short name	9016G
Electrical circuit type	Control circuit

Complementary

Factory modification	-
Vacuum switch type of operation	Regulation between two thresholds
Scale type	Adjustable differential
Value of setting	-
Vacuum sensor size	28.7 inHg
Range on decreasing vacuum	0...28.7 inHg
Approx differential at minimum range	0.8...9 inHg
Approx adjustable differential at mid range	1.3...7.4 inHg
Maximum pressure	100 psi
Maximum permissible pressure - per cycle	100 psi
Local display	With range scale window
Fluid connection type	0.25 inch 18 NPTF UL 508
Electrical connection	Screw-clamp terminals AWG 22...AWG 12
Cable entry	0.5 inch NPT conduit entrance
Terminal block type	4 screw terminals
Pressure actuator	Diaphragm nitrile (Buna-N)
Controlled fluid	Air -40...250 °F Water -40...250 °F Hydraulic oil -40...250 °F Gas -40...250 °F
Materials in contact with fluid	Zinc plated steel Nitrile (Buna-N) 3M Scotch-Grip 847 rubber and gasket adhesive
Enclosure material	Die cast aluminium alloy 380

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

Operating position	Any position
Operating rate	<= 120 cyc/mn
Repeat accuracy	0.4 %
[In] rated current	3 A 240 V AC A600 NEMA rating designation 6 A 120 V AC A600 NEMA rating designation 0.27 A 250 V DC R300 NEMA rating designation 0.22 A 125 V DC R300 NEMA rating designation
Local signalling	Without
Contacts type and composition	NC-NO SPDT Form Z snap action silver nickel contacts
Short-circuit protection	10 A cartridge overload and short-circuit protection gL
Mechanical durability	5000000 cycles
Setting	Internal
Product weight	4.6 lb(US)
Height	6.45 in
Depth	4.56 in
Width	4.56 in

Environment

Standards	UL 508
Product certifications	UL listed file E12158 CCN NKPZ and CCN NTHT CSA file LR25490
Protective treatment	None
Ambient air temperature for operation	10...185 °F
Ambient air temperature for storage	10...185 °F
Vibration resistance	2 gn IEC 68-2-6 40...150 Hz
Shock resistance	50 gn IEC 58-2-27
NEMA degree of protection	NEMA 4/4X/13 UL 698

Offer Sustainability

RoHS (date code: YYWW)	Will not be compliant Will not be compliant
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End of Life Information

Contractual warranty

Warranty period	18 months
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