

# Product data sheet

Specifications



## Electromechanical vacuum switch, 9016G, adjustable scale, 2 thresholds, Set 0 to 28.3 InHg

9016GAW1

### 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 adjustable differential at mid range	1.3...7.4 inHg
Maximum pressure	100 psi
Maximum permissible pressure - per cycle	689.48 kPa
Local display	Without
Fluid connection type	0.25 inch 18 NPTF conforming to 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...121 °C) Water (-40...121 °C) Hydraulic oil (-40...121 °C) Gas (-40...121 °C)
Materials in contact with fluid	3M Scotch-Grip 847 rubber and gasket adhesive Zinc plated steel Nitrile (Buna-N)
Enclosure material	Die cast aluminium alloy 380

Operating position	Any position
Maximum operating rate	120 cyc/mn
Repeat accuracy	0.4 %
[In] rated current	3 A 240 V AC A600 conforming to NEMA rating designation 6 A 120 V AC A600 conforming to NEMA rating designation 0.27 A 250 V DC R300 conforming to NEMA rating designation 0.22 A 125 V DC R300 conforming to 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, type gL
Mechanical durability	5000000 cycles
Setting	Internal
Net weight	2.09 kg
Height	163.83 mm
Depth	115.82 mm
Width	115.82 mm

## 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	-12...85 °C
Ambient air temperature for storage	-12...85 °C
Vibration resistance	2 gn conforming to IEC 68-2-6 (f = 40...150 Hz)
Shock resistance	50 gn conforming to IEC 58-2-27
NEMA degree of protection	NEMA 4/4X/13 conforming to UL 698

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	15.24 cm
Package 1 Width	19.05 cm
Package 1 Length	19.304 cm
Package 1 Weight	1.982 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

California proposition 65

WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Contractual warranty

Warranty

18 months

Recommended replacement(s)