

Product data sheet

Characteristics

9016GVG1J12

Electromechanical vacuum switch, 9016GVG,
adjustable scale, 2 thresholds, Set 18 to 23
InHg



Main

Range of product	9016GVG
Product or component type	Electromechanical vacuum switch
Device application	Power circuit application
Device short name	9016GVG
Electrical circuit type	Power circuit

Complementary

Factory modification	-
Vacuum switch type of operation	Regulation between two thresholds
Scale type	Adjustable
Vacuum sensor size	25 inHg
Cut out range	5...25 inHg
Cut-in range	0...20 inHg
Approx adjustable differential at mid range	5...10 inHg
Value of setting	18...23 inHg
Maximum pressure	100 psi
Maximum permissible pressure - per cycle	689.5 kPa
Local display	Without
Fluid connection type	0.25 inch 18 NPSF conforming to UL 508
Electrical connection	Screw-clamp terminals AWG 22...AWG 12
Cable entry number	3 knock-outs for 1/2" NPT conduit
Terminal block type	8 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	Zinc plated steel Nitrile (Buna-N) 3M Scotch-Grip 847 rubber and gasket adhesive
Cover material	Polypropylene, noryl thermoplastic resin or equivalent
Operating position	Any position
Enclosure material	Stamped metal
Maximum operating rate	100 cyc/mn
Repeat accuracy	2.5 %
Motor power kW	1.5 KW (2 hp) at 115 V AC, 1 phase 2.2 KW (3 hp) at 115 V AC, 3 phases 2.2 KW (3 hp) at 230 V AC, 1 phase 3.75 KW (5 hp) at 230 V AC, 3 phases 3.7 KW (5 hp) at 460 V AC, 1 phase 3.7 KW (5 hp) at 460 V AC, 3 phases 3.7 KW (5 hp) at 575 V AC, 1 phase 3.7 KW (5 hp) at 575 V AC, 3 phases 0.75 KW (1 hp) at 115 V DC, 3 phases 0.75 kW (1 hp) at 230 V DC

Contacts type and composition	2 NC, DPST-DB, Form YY, snap action, silver cadmium contacts
Short-circuit protection	20 A cartridge fuse, type gG
Mechanical durability	300 cycles
Setting	Internal
Net weight	1.60 kg
Height	181.10 mm
Depth	111.00 mm
Width	116.33 mm

Environment

Standards	UL 508
Product certifications	UL listed[RETURN]CSA
Protective treatment	None
Ambient air temperature for operation	-10...185 °F
Ambient air temperature for storage	-10...185 °F
NEMA degree of protection	NEMA 1 conforming to UL 698

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	31.484 cm
Package 1 Width	12.395 cm
Package 1 Length	79.969 cm
Package 1 Weight	1.608 kg

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisobutyl 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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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