Product data sheet Characteristics

9013GMG2J99H

Square D Pumptrol, pump or compressor switch 9013GM, adjustable diff., factory setting



Main	
Range of Product	Square D Pumptrol
Pressure sensor name	9013GM
Pressure sensor size	35 psi (241.32 kPa) 5.530.5 psi (37.92 210.29 kPa))
Value of setting	Specify pressure settings
Electrical circuit type	Power circuit
Product Specific Application	Control electrically driven water pumps and air compressors
Quantity per Set	1
Type of Packing	Individual

Comp	lement	tary
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Controlled fluid Fire 22257 °F (-30126 °C) Fresh water -22257 °F (-30125 °C)	Pressure sensor type	Electromechanical pressure switch
Approximate adjustable differential 48 psi (27.5855.16 kPa) Destruction pressure 100 psi (689.48 kPa) Pressure actuator Diaphragm Pressure switch type of operation Regulation between 2 thresholds Scale type Adjustable differential Internal Local display Without Contacts type and composition NC-NO. snap action, DPST-DB, Form Zb Cable entry number 3 knock-outs for 1/2" conduit UL 508 Electrical connection Screw-clamp terminals 10 AWG Screw-clamp terminals 5.261 mm² Fluid connection type 0.25 inch NPSF internal UL 508 Short-circuit protection 20 A cartridge fuse g G Materials in contact with fluid Zinc plated steel or equivalent flange Nitrile (Buna-N) or equivalent rubber diaphragm Material Polypropylene Cover Noryl thermoplastic resin or equivalent Cover Operating position Any position Motor power kW 1.5 kW 2 php320 V AC. 1 phase 0.37 kW 0.5 hp)230 V DC 0.37 kW 0.5 hp)255 V AC. 1 phase 1.5 kW 2 ph)460 V AC, 1 phase 1.5 kW 2 ph)460 V AC, 1 phase 1.5 kW 2 ph)450 V AC, 1 phase 1.5 kW 2 ph)460 V AC, 1 p	Controlled fluid	
Destruction pressure	Adjustable range on rising pressure	1035 psi (68.95241.32 kPa)
Pressure actuator Diaphragm Pressure switch type of operation Regulation between 2 thresholds Scale type Adjustable differential Setting Internal Local display Without Contacts type and composition NC-NO, snap action, DPST-DB, Form Zb Cable entry number 3 knock-outs for 1/2" conduit UL 508 Electrical connection Screw-clamp terminals 10 AWG Screw-clamp terminals 10 AWG Screw-clamp terminals 10 Est and many terminals 10 for the state of equivalent flange Materials in contact with fluid Zinc plated steel or equivalent flange Material Polypropylene Cover Norl thermoplastic resin or equivalent Cover Operating position Any position Motor power kW 1.5 KW 2 Php/330 V AC, 1 phase 0.37 KW 0.5 hp)115 V DC 0.75 KW 1 hp)115 V AC, 1 phase 1.5 KW 2 hp)460 V AC, 1 phase 1.5 KW	Approximate adjustable differential	48 psi (27.5855.16 kPa)
Pressure switch type of operation Regulation between 2 thresholds Scale type Adjustable differential Setting Internal Local display Without Contacts type and composition NC-NO, snap action, DPST-DB, Form Zb Cable entry number 3 knock-outs for 1/2" conduit UL, 508 Electrical connection Screw-clamp terminals 10 AWG Screw-clamp terminals 5.261 mm² Fluid connection type 0.25 inch NPSF internal UL 508 Short-circuit protection 20 A cartridge fuse gG Materials in contact with fluid Zinc plated steel or equivalent flange Nitrile (Buna-N) or equivalent rubber diaphragm Material Polypropylene Cover Noryl thermoplastic resin or equivalent Cover Operating position Any position Any position Motor power kW 1.5 kW 2 hp)230 V AC, 1 phase 0.37 kW 0.5 hp)230 V DC 0.75 kW 1 hp)115 V DC 0.75 kW 1 hp)115 V AC, 1 phase 1.5 kW 2 hp)460 V AC, 1 phase 1.5 kW 2 hp)460 V AC, 1 phase 1.5 kW 2 hp)4575 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase	Destruction pressure	100 psi (689.48 kPa)
Scale type Adjustable differential Setting Internal Local display Without Contacts type and composition NC-NO, snap action, DPST-DB, Form Zb Cable entry number 3 knock-outs for 1/2" conduit UL 508 Electrical connection Screw-clamp terminals 10 AWG Screw-clamp terminals 5.261 mm² Fluid connection type 0.25 inch NPSF internal UL 508 Short-circuit protection 20 A cartridge fuse gG Materials in contact with fluid Zinc plated steel or equivalent flange Nitrlie (Buna-N) or equivalent rubber diaphragm Material Polypropylene Cover Noryl thermoplastic resin or equivalent Cover Operating position Any position Motor power kW 1.5 kW 2 hp)230 V AC, 1 phase 0.37 kW 0.5 hp)115 V DC 0.37 kW 0.5 hp)115 V DC 0.37 kW 0.5 hp)125 V AC, 1 phase 1.5 kW 2 hp)460 V AC, 1 phase 1.5 kW 2 hp)460 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase 1.5 kW 2 hp)	Pressure actuator	Diaphragm
Setting Internal Local display Without Contacts type and composition NC-NO, snap action, DPST-DB, Form Zb Cable entry number 3 knock-outs for 1/2" conduit UL 508 Electrical connection Screw-clamp terminals 1.0 AWG Screw-clamp terminals 5.261 mm² Fluid connection type 0.25 inch NPSF internal UL 508 Short-circuit protection 20 A cartridge fuse gG Materials in contact with fluid Zinc plated steel or equivalent flange Nitrile (Buna-N) or equivalent rubber diaphragm Material Polypropylene Cover Noryl thermoplastic resin or equivalent Cover Operating position Any position Motor power kW 1.5 kW 2 hp)230 V AC, 1 phase 0.37 kW 0.5 hp)115 V DC 0.37 kW 0.5 hp)115 V DC 0.37 kW 0.5 hp)155 V AC, 1 phase 1.5 kW 2 hp)850 V AC, 1 phase 1.5 kW 2 hp)857 V	Pressure switch type of operation	Regulation between 2 thresholds
Local display Without Contacts type and composition NC-NO, snap action, DPST-DB, Form Zb Cable entry number 3 knock-outs for 1/2" conduit UL 508 Electrical connection Screw-clamp terminals 10 AWG Screw-clamp terminals 5.261 mm² Fluid connection type 0.25 inch NPSF internal UL 508 Short-circuit protection 20 A cartridge fuse gG Materials in contact with fluid Zinc plated steel or equivalent flange Nitrile (Buna-N) or equivalent rubber diaphragm Material Polypropylene Cover Noryl thermoplastic resin or equivalent Cover Operating position Any position Motor power kW 1.5 KW 2 hp)230 V AC, 1 phase 0.37 KW 0.5 hp)230 V DC 0.37 kW 0.5 hp)230 V DC 0.75 kW 1 hp)115 V AC, 1 phase 1.5 kW 2 hp)460 V AC, 1 phase 1.5 kW 2 hp)450 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phas	Scale type	Adjustable differential
Contacts type and composition NC-NO, snap action, DPST-DB, Form Zb Cable entry number 3 knock-outs for 1/2" conduit UL 508 Electrical connection Screw-clamp terminals 10 AWG Screw-clamp terminals 10 AWG Screw-clamp terminals 5.261 mm² Fluid connection type 0.25 inch NPSF internal UL 508 Short-circuit protection 20 A cartridge fuse gG Materials in contact with fluid Zinc plated steel or equivalent flange Nitrile (Buna-N) or equivalent rubber diaphragm Material Polypropylene Cover Noryl thermoplastic resin or equivalent Cover Operating position Any position Motor power kW 1.5 KW 2 hp)230 V AC, 1 phase 0.37 KW 0.5 hp)215 V DC 0.37 kW 0.5 hp)215 V DC 0.75 KW 1 hp)115 V AC, 1 phase 1.5 kW 2 hp)575 V BC 0.75 KW 1 hp)115 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase 1	Setting	Internal
Cable entry number 3 knock-outs for 1/2" conduit UL 508 Electrical connection Screw-clamp terminals 10 AWG Screw-clamp terminals 5.261 mm² Fluid connection type 0.25 inch NPSF internal UL 508 Short-circuit protection 20 A cartridge fuse gG Materials in contact with fluid Zinc plated steel or equivalent flange Nitrile (Buna-N) or equivalent rubber diaphragm Material Polypropylene Cover Noryl thermoplastic resin or equivalent Cover Operating position Any position Motor power kW 1.5 KW 2 hp)230 V AC, 1 phase 0.37 KW 0.5 hp)115 V DC 0.37 KW 0.5 hp)230 V DC 0.75 KW 1 hp)146 V AC, 1 phase 1.5 KW 2 hp)360 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase 1.5 kW 2 hp)360 V AC, 1 phase 2.5 kW 2 hp)360 V AC, 1 phase 3.5 kW 2 hp)360 V AC, 1 phase 3.5 kW 2 hp)360 V AC, 1 phase 3.5 kW 2 hp)460 V AC, 1 phase 3.5 kW 2	Local display	Without
Electrical connection Screw-clamp terminals 10 AWG Screw-clamp terminals 5.261 mm² Fluid connection type 0.25 inch NPSF internal UL 508 Short-circuit protection 20 A cartridge fuse gG Materials in contact with fluid Zinc plated steel or equivalent flange Nitrile (Buna-N) or equivalent rubber diaphragm Material Polypropylene Cover Noryl thermoplastic resin or equivalent Cover Operating position Any position Motor power kW 1.5 KW 2 hp)230 V AC, 1 phase 0.37 KW 0.5 hp)230 V DC 0.75 KW 1 hp)115 V DC 0.75 KW 1 hp)115 V AC, 1 phase 1.5 kW 2 hp)860 V AC, 1 phase 1.5 kW 2 hp)875 V AC, 1 phase 1.5 kW 2 hp)800 V AC, 1 phase Electrical durability 100000 cycles 10 cyc/mn Mechanical durability 300000 cycles Terminal block type 4 terminals Maximum operating rate 10 cyc/mn [Ui] rated insulation voltage 575 V UL 508 Product Weight 2.25 lb(US) (1.02 kg) Repeat accuracy 4/- 3 % Terminals description ISO n°1 L1-T1 L2-T2	Contacts type and composition	NC-NO, snap action, DPST-DB, Form Zb
Screw-clamp terminals 5.261 mm² Fluid connection type 0.25 inch NPSF internal UL 508 Short-circuit protection 20 A cartridge fuse gG Materials in contact with fluid Zinc plated steel or equivalent flange Nitrile (Buna-N) or equivalent rubber diaphragm Material Polypropylene Cover Noryl thermoplastic resin or equivalent Cover Operating position Any position Motor power kW 1.5 KW 2 hp)230 V AC, 1 phase 0.37 KW 0.5 hp)115 V DC 0.37 KW 0.5 hp)230 V DC 0.75 KW 1 hp)115 V AC, 1 phase 1.5 kW 2 hp)460 V AC, 1 phase 1.5 kW 2 hp)575 V AC,	Cable entry number	3 knock-outs for 1/2" conduit UL 508
Short-circuit protection 20 A cartridge fuse gG Materials in contact with fluid Zinc plated steel or equivalent flange Nitrile (Buna-N) or equivalent rubber diaphragm Material Polypropylene Cover Noryl thermoplastic resin or equivalent Cover Operating position Any position Motor power kW 1.5 KW 2 hp)230 V AC, 1 phase 0.37 KW 0.5 hp)115 V DC 0.37 KW 0.5 hp)115 V DC 0.37 KW 0.5 hp)230 V DC 0.75 KW 1 hp)115 V AC, 1 phase 1.5 KW 2 hp)460 V AC, 1 phase 1.5 KW 2 hp)460 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase Electrical durability 100000 cycles 10 cyc/mn Mechanical durability 300000 cycles Terminal block type 4 terminals Maximum operating rate 10 cyc/mn [Ui] rated insulation voltage 575 V UL 508 Product Weight 2.25 lb(US) (1.02 kg) Repeat accuracy +/- 3 % Terminals description ISO n°1 L1-T1 L2-T2	Electrical connection	·
Materials in contact with fluid Zinc plated steel or equivalent flange Nitrile (Buna-N) or equivalent rubber diaphragm Material Polypropylene Cover Noryl thermoplastic resin or equivalent Cover Operating position Any position Motor power kW 1.5 KW 2 hp)230 V AC, 1 phase 0.37 KW 0.5 hp)115 V DC 0.37 KW 0.5 hp)115 V AC, 1 phase 1.5 KW 2 hp)460 V AC, 1 phase 1.5 KW 2 hp)460 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase 1	Fluid connection type	0.25 inch NPSF internal UL 508
Nitrile (Buna-N) or equivalent rubber diaphragm Material Polypropylene Cover Noryl thermoplastic resin or equivalent Cover Operating position Any position Motor power kW 1.5 KW 2 hp)230 V AC, 1 phase 0.37 KW 0.5 hp)115 V DC 0.37 KW 0.5 hp)230 V DC 0.75 KW 1 hp)115 V AC, 1 phase 1.5 KW 2 hp)460 V AC, 1 phase 1.5 KW 2 hp)575 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase 1.6 kW 2 hp)575 V AC, 1 phase 1.7 kW 2 hp)575 V AC, 1 phase 1.8 kW 2 hp)575 V AC, 1 phase 1.9 kW 2 hp)575 V AC, 1	Short-circuit protection	20 A cartridge fuse gG
Noryl thermoplastic resin or equivalent Cover Operating position Motor power kW 1.5 KW 2 hp)230 V AC, 1 phase 0.37 KW 0.5 hp)115 V DC 0.37 KW 0.5 hp)230 V DC 0.75 KW 1 hp)115 V AC, 1 phase 1.5 kW 2 hp)460 V AC, 1 phase 1.5 kW 2 hp)460 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase Electrical durability 100000 cycles 10 cyc/mn Mechanical durability 300000 cycles Terminal block type 4 terminals Maximum operating rate 10 cyc/mn [Ui] rated insulation voltage 575 V UL 508 Product Weight 2.25 lb(US) (1.02 kg) Repeat accuracy +/- 3 % Terminals description ISO n°1 L1-T1 L2-T2	Materials in contact with fluid	
Motor power kW 1.5 KW 2 hp)230 V AC, 1 phase 0.37 KW 0.5 hp)115 V DC 0.37 KW 0.5 hp)230 V DC 0.75 KW 1 hp)115 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase Electrical durability 100000 cycles 10 cyc/mn Mechanical durability 300000 cycles Terminal block type 4 terminals Maximum operating rate 10 cyc/mn [Ui] rated insulation voltage 575 V UL 508 Product Weight 2.25 lb(US) (1.02 kg) Repeat accuracy +/- 3 % Terminals description ISO n°1 L1-T1 L2-T2	Material	31 13
0.37 KW 0.5 hp)115 V DC 0.37 KW 0.5 hp)230 V DC 0.75 KW 1 hp)115 V AC, 1 phase 1.5 KW 2 hp)460 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase 1.5 kW 2 hp)575 V AC, 1 phase Electrical durability 100000 cycles 10 cyc/mn Mechanical durability 300000 cycles Terminal block type 4 terminals Maximum operating rate 10 cyc/mn [Ui] rated insulation voltage 575 V UL 508 Product Weight 2.25 lb(US) (1.02 kg) Repeat accuracy +/- 3 % Terminals description ISO n°1 L1-T1 L2-T2	Operating position	Any position
Mechanical durability Terminal block type 4 terminals Maximum operating rate 10 cyc/mn [Ui] rated insulation voltage 575 V UL 508 Product Weight 2.25 lb(US) (1.02 kg) Repeat accuracy +/- 3 % Terminals description ISO n°1 L1-T1 L2-T2	Motor power kW	0.37 KW 0.5 hp)115 V DC 0.37 KW 0.5 hp)230 V DC 0.75 KW 1 hp)115 V AC, 1 phase 1.5 KW 2 hp)460 V AC, 1 phase
Terminal block type 4 terminals Maximum operating rate 10 cyc/mn [Ui] rated insulation voltage 575 V UL 508 Product Weight 2.25 lb(US) (1.02 kg) Repeat accuracy +/- 3 % Terminals description ISO n°1 L1-T1 L2-T2	Electrical durability	100000 cycles 10 cyc/mn
Maximum operating rate [Ui] rated insulation voltage 575 V UL 508 Product Weight 2.25 lb(US) (1.02 kg) Repeat accuracy +/- 3 % Terminals description ISO n°1 L1-T1 L2-T2	Mechanical durability	300000 cycles
[Ui] rated insulation voltage 575 V UL 508 Product Weight 2.25 lb(US) (1.02 kg) Repeat accuracy +/- 3 % Terminals description ISO n°1 L1-T1 L2-T2	Terminal block type	4 terminals
Product Weight 2.25 lb(US) (1.02 kg) Repeat accuracy +/- 3 % Terminals description ISO n°1 L1-T1 L2-T2	Maximum operating rate	10 cyc/mn
Repeat accuracy +/- 3 % Terminals description ISO n°1 L1-T1 L2-T2	[Ui] rated insulation voltage	575 V UL 508
Terminals description ISO n°1 L1-T1 L2-T2	Product Weight	2.25 lb(US) (1.02 kg)
L2-T2	Repeat accuracy	+/- 3 %
Width 4.44 in (112.78 mm)	Terminals description ISO n°1	
	Width	4.44 in (112.78 mm)

Height	5.8 in (147.32 mm)
Depth	4.44 in (112.78 mm)
Factory modification	-
Environment	
Standards	UL 508 NSF ANSI 372 CE
Ambient Air Temperature for Operation	-33257 °F (-36125 °C)
Ambient Air Temperature for Storage	-33257 °F (-36125 °C)
Protective treatment	None
NEMA degree of protection	NEMA 1 UL 50
IP degree of protection	IP20 conforming to IEC 60529
Product Certifications	CSA file LR25490 UL listed file E12158
Ordering and shipping details	
Category	21536-9013 G COMMERCIAL PRESSURE SWITCH
Discount Schedule	CP7G
GTIN	785901776697
Returnability	No
Country of origin	MX
Packing Units	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.40 in (31.484 cm)
Package 1 Width	4.88 in (12.395 cm)
Package 1 Length	31.48 in (79.969 cm)
Package 1 Weight	32.00 oz (907.185 g)
Offer Sustainability	
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
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	₽¥Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Contraction warranty	
Warranty	18 months