# Product data sheet

Specifications



Discontinued

## air compressor switch 9013FH - fixed differential - Off at 140 psi - low hp

9013FHG14J68M1X

Discontinued on: 23 January 2021

End-of-service on: 24 January 2021

**Product availability : Non-Stock - Not normally stocked in distribution facility**

**Price* : 39.90 USD**

### Main

| | |
|---|---|
| **Range of product** | Square D Pumptrol |
| **Pressure sensor name** | 9013FH |
| **Pressure sensor size** | 150 psi (1034.21 kPa) |
| **Value of setting** | Off at 140 psi |
| **Electrical circuit type** | Power circuit |
| **Product Specific Application** | Control small electrically driven air compressors |
| **Quantity per Set** | 1 |
| **Type of Packing** | Individual |

### Complementary

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|---|---|
| **Pressure sensor type** | Electromechanical pressure switch |
| **Controlled fluid** | Air -22…257 °F (-30…125 °C)) |
| **Adjustable range on rising pressure** | 70…150 psi (482.63…1034.21 kPa) |
| **Approximate fixed differential** | 30 psi (206.84 kPa) |
| **Destruction pressure** | 220 psi (1516.85 kPa) |
| **Pressure actuator** | Diaphragm |
| **Pressure switch type of operation** | Regulation between 2 thresholds |
| **Scale type** | Fixed differential |
| **Setting** | Internal |
| **Local display** | Without |
| **Contacts type and composition** | 2 NC, snap action, DPST-DB, Form YY |
| **Cable entry number** | 2 0.88 in (22.35 mm) cable entries with 0.84 in across flats UL 508 |
| **Electrical connection** | Screw-clamp terminals 10 AWG<br>Screw-clamp terminals 5.261 mm² |
| **Fluid connection type** | 0.25 inch 4-way flange UL 508 |

* Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

| | |
|---|---|
| **Short-circuit protection** | 20 A cartridge fuse gG |
| **Materials in contact with fluid** | Zinc plated steel or equivalent flange<br>Nitrile (Buna-N) or equivalent rubber diaphragm |
| **Material** | Polypropylene Cover<br>Noryl thermoplastic resin or equivalent Cover |
| **Operating position** | Any position |
| **Motor power kW** | 1.5 kW 2 hp)230 V AC, 1 phase<br>1.1 kW 1.5 hp)115 V AC, 1 phase<br>1.5 kW 2 hp)115 V AC, 3 phase<br>2.2 kW 3 hp)230 V AC, 3 phase<br>0.75 kW 1 hp)460 V AC, 3 phase<br>0.75 kW 1 hp)575 V AC, 3 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 |
| **Net Weight** | 1 lb(US) (0.45 kg) |
| **Repeat accuracy** | +/- 3 % |
| **Terminals description ISO n°1** | L2-T2<br>L1-T1 |
| **Width** | 3.1 in (78.74 mm) |
| **Height** | 4.45 in (113.03 mm) |
| **Depth** | 3.76 in (95.50 mm) |
| **Factory modification** | Maintained manual cut-out lever (AUTO-OFF)<br>2-way pressure release valve |

## Environment

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|---|---|
| **Standards** | UL 508<br>CE |
| **Ambient air temperature for operation** | -33…257 °F (-36…125 °C) |
| **Ambient Air Temperature for Storage** | -33…257 °F (-36…125 °C) |
| **Protective treatment** | None |
| **NEMA degree of protection** | NEMA 1 UL 50 |
| **IP degree of protection** | IP20 conforming to IEC 60529 |
| **Product Certifications** | UL listed file E12158<br>CSA file LR25490 |

## Ordering and shipping details

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|---|---|
| **Category** | 21533 - 9013 FHG (INDIVIDUAL-DISCOUNT CP7I) |
| **Discount Schedule** | CP7I |
| **GTIN** | 00785901111535 |
| **Nbr. of units in pkg.** | 1 |
| **Package weight(Lbs)** | 1 lb(US) (0.45 kg) |
| **Returnability** | No |
| **Country of origin** | MX |

## Packing Units

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|---|---|
| **Package 1 Height** | 10.16 in (25.806 cm) |

| | |
|---|---|
| **Package 1 width** | 4.00 in (10.160 cm) |
| **Package 1 Length** | 25.81 in (65.548 cm) |

## Offer Sustainability

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|---|---|
| **California proposition 65** | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| **EU RoHS Directive** | Not applicable, out of EU RoHS legal scope |
| **Environmental Disclosure** | Product Environmental Profile |
| **Circularity Profile** | End of Life Information |

## Contractual warranty

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|---|---|
| **Warranty** | 18 months |

### Recommended replacement(s)

9013FHG14J68M1X is replaced by the following product range:



**Pressure Switches - Square D™ NEMA,**

A comprehensive range of Pressure switches, Vacuum switches and Float switches, compliant with US and international standards

Products: 903