# Product data sheet
## Characteristics

# 9013FHG19J27X
## air compressor switch 9013FH - fixed differential - Off at 100 psi - low hp



### Main

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|---|---|
| Range of product | Square D Pumptrol |
| Pressure sensor name | 9013FH |
| Pressure sensor size | 150 psi (1034.21 kPa) |
| Value of setting | Off at 100 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 (-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, clamping capacity: 10 AWG<br>Screw-clamp terminals, clamping capacity: 5.261 mm² |
| Fluid connection type | 0.25 inch NPT external UL 508 |
| Short-circuit protection | 20 A cartridge fuse, type 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 conforming to UL 508 |
| Net Weight | 1 lb(US) (0.45 kg) |
| Repeat accuracy | +/- 3 % |
| Terminals description ISO n°1 | L1-T1<br>L2-T2 |
| Width | 2.78 in (70.61 mm) |

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| Height | 3.92 in (99.57 mm) |
| Maximum Depth | 3.76 in (95.50 mm) |
| Factory modification | 2-way pressure release valve |

## Environment

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| Standards | CE<br>UL 508 |
| 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 conforming to UL 50 |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Product certifications | CSA file LR25490<br>UL listed file E12158 |

## Ordering and shipping details

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|---|---|
| Category | 21533 - 9013 FHG (INDIVIDUAL-DISCOUNT CP7I) |
| Discount Schedule | CP7I |
| GTIN | 00785901758198 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.86 lb(US) (0.39 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 |