

# 9013FHG12J55

Square D Pumptrol, air compressor switch  
9013FH, fixed differential, Off at 150 PSI, low  
hp



## Main

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

## Complementary

|                                     |                                                                                                                                                                                                        |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 mm <sup>2</sup>                                                                                                                            |
| 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<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                                                                                                                                                                                           |
| Product Weight                      | 1 lb(US) (0.45 kg)                                                                                                                                                                                     |
| Repeat accuracy                     | +/- 3 %                                                                                                                                                                                                |
| Terminals description ISO n°1       | L1-T1<br>L2-T2                                                                                                                                                                                         |

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|                      |                    |
|----------------------|--------------------|
| Width                | 2.78 in (70.61 mm) |
| Height               | 3.71 in (94.23 mm) |
| Depth                | 3.76 in (95.50 mm) |
| Factory modification | -                  |

## Environment

|                                       |                                           |
|---------------------------------------|-------------------------------------------|
| 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

|                   |                                           |
|-------------------|-------------------------------------------|
| Category          | 21533-9013 FHG (INDIVIDUAL-DISCOUNT CP7I) |
| Discount Schedule | CP7I                                      |
| GTIN              | 785901522911                              |
| Returnability     | Yes                                       |
| Country of origin | MX                                        |

## Packing Units

|                              |                            |
|------------------------------|----------------------------|
| Unit Type of Package 1       | PCE                        |
| Number of Units in Package 1 | 1                          |
| Package 1 Height             | 10.16 in (25.806 cm)       |
| Package 1 Width              | 4.00 in (10.16 cm)         |
| Package 1 Length             | 25.81 in (65.548 cm)       |
| Package 1 Weight             | 13.12 oz (371.946 g)       |
| Unit Type of Package 2       | CAR                        |
| Number of Units in Package 2 | 20                         |
| Package 2 Height             | 8.70 in (22.098 cm)        |
| Package 2 Width              | 8.30 in (21.082 cm)        |
| Package 2 Length             | 14.50 in (36.83 cm)        |
| Package 2 Weight             | 17.57 lb(US) (7.97 kg)     |
| Unit Type of Package 3       | PAL                        |
| Number of Units in Package 3 | 600                        |
| Package 3 Height             | 40.00 in (101.6 cm)        |
| Package 3 Width              | 40.00 in (101.6 cm)        |
| Package 3 Length             | 48.00 in (121.92 cm)       |
| Package 3 Weight             | 528.00 lb(US) (239.497 kg) |

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</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>                                                                                                                                                                                                                                                                                                                                           |

Contractual warranty

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