

# 9013FHG22J43X

Square D Pumptrol, air compressor switch  
9013FH, fixed differential, Off at 80 PSI, high  
hp



## Main

|                              |                                                   |
|------------------------------|---------------------------------------------------|
| Range of Product             | Square D Pumptrol                                 |
| Pressure sensor name         | 9013FH                                            |
| Pressure sensor size         | 100 psi (689.48 kPa)                              |
| Value of setting             | Off at 80 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 | 40...100 psi (275.79...689.48 kPa)                                                                                               |
| Approximate fixed differential      | 20 psi (137.90 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 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)115 V AC, 1 phase<br>2.2 KW 3 hp)115 V AC, 3 phase<br>2.2 KW 3 hp)230 V AC, 1 phase<br>3.7 kW 5 hp)230 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                                                                                                                   |
| Width                               | 2.78 in (70.61 mm)                                                                                                               |

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|                      |                              |
|----------------------|------------------------------|
| Height               | 3.71 in (94.23 mm)           |
| Depth                | 3.76 in (95.50 mm)           |
| Factory modification | 2-way pressure release valve |

## Environment

|                                       |                                           |
|---------------------------------------|-------------------------------------------|
| 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 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              | 785901437468                              |
| Returnability     | No                                        |
| Country of origin | MX                                        |

## Packing Units

|                              |                      |
|------------------------------|----------------------|
| Unit Type of Package 1       | PCE                  |
| Number of Units in Package 1 | 1                    |
| Package 1 Height             | 3.80 in (9.652 cm)   |
| Package 1 Width              | 3.90 in (9.906 cm)   |
| Package 1 Length             | 2.80 in (7.112 cm)   |
| Package 1 Weight             | 16.00 oz (453.592 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation          | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                                                                                                                 |
| EU RoHS Directive         | Not applicable, out of EU RoHS legal scope                                                                                                                                                                                                                                                                                                                                        |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>                                                                                                                                                                                                                                                                                                                                     |
| Circularity Profile       | <a href="#">End Of Life Information</a>                                                                                                                                                                                                                                                                                                                                           |

## Contractual warranty

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