

Vacuum generator VN-07-H-T4-PQ2-VQ2-01-P

Part number: 536800

FESTO



General operating condition

Data sheet

| Feature | Value |
|---|---|
| Nominal size, Laval nozzle | 0.7 mm |
| Grid dimension | 16 mm |
| Silencer design | Open |
| Mounting position | Any |
| Ejector characteristic | High vacuum Standard |
| Integrated function | Pressure sensor Open silencer |
| Design | T-shape |
| Short circuit current rating | Pulsed |
| Measured variable | Relative pressure |
| Measuring principle | Piezoresistive |
| Measurement method | relatively |
| Switching element function | N/O contact |
| Switching function | Threshold value comparator Threshold value with fixed hysteresis |
| Symbol | 00991917 |
| Reverse polarity protection | For all electrical connections |
| Display type | LED |
| Setting range threshold value | -0.1 MPa ... 0 MPa |
| Setting options | Teach-in |
| Switching status indication | LED |
| Setting range threshold value | -1 bar ... 0 bar |
| Setting range threshold value | -14.5 psi ... 0 psi |
| Operating pressure for max. suction flow rate | 0.3 MPa |
| Operating pressure for max. suction flow rate | 3 bar |
| Operating pressure for max. suction flow rate | 43.5 psi |
| Operating pressure | 0.1 MPa ... 0.8 MPa |
| Operating pressure | 1 bar ... 8 bar |
| Operating pressure | 14.5 psi ... 116 psi |
| Operating pressure for max. vacuum | 0.44 MPa |
| Operating pressure for max. vacuum | 4.4 bar |
| Operating pressure for max. vacuum | 63.8 psi |
| Max. vacuum | 92 % |
| Nominal operating pressure | 0.6 MPa |
| Nominal operating pressure | 6 bar |

| Feature | Value |
|--|---|
| Nominal operating pressure | 87 psi |
| Max. suction flow rate against atmosphere | 16.2 l/min |
| Switch-off time | ≤4 ms |
| Switch-on time | ≤4 ms |
| Operational voltage range DC | 15 V ... 30 V |
| Inductive protective circuit | Adapted to MZ, MY, ME coils |
| Max. output current | 100 mA |
| Off-state current | ≤0.3 mA |
| Residual ripple | 10% |
| Switching output | PNP |
| Voltage drop | ≤1.5 V |
| Overload protection | Available |
| Approval | RCM |
| KC mark | KC-EMV |
| CE mark (see declaration of conformity) | To EU EMC Directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation not possible |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Media temperature | 0 °C ... 60 °C |
| Recommended cleaning/purification | Soapy water |
| Sound pressure level at nominal operating pressure | 66 dB(A) |
| Degree of protection | IP40 |
| Ambient temperature | 0 °C ... 50 °C |
| Max. tightening torque | 0.6 Nm |
| Pressure measuring range | -0.1 MPa ... 0 MPa |
| Pressure measuring range | -1 bar ... 0 bar |
| Pressure measuring range | -14.5 psi ... 0 psi |
| Product weight | 36 g |
| Accuracy in ± % FS | 1.5 %FS |
| Hysteresis in ± %FS | 2 %FS |
| Long-term drift | ±0.5 % FS max. |
| Temperature coefficient of switching point | 0.05 %/K |
| Electrical connection | M8 |
| Type of mounting | With through-hole |
| Pneumatic connection, port 1 | QS-6 |
| Pneumatic connection, port 3 | Open silencer |
| Vacuum connection | QS-6 |
| Material seals | NBR |
| Material receiver nozzle | POM |
| Material housing | Reinforced POM |
| Material fibre-optic | Makrolon® |
| Material silencer | Packaging unit |
| Material connector housing | Chrome-plated and nickel-plated |
| Material transmitter nozzle | Wrought aluminium alloy |
| Material keypad | POM |
| Material fitting | Brass nickel-plated |