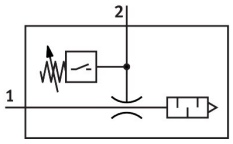
# Vacuum generator
# VN-07-H-T4-PQ2-VQ2-O1-P

Part number: 536800






## Data sheet

| Feature | Value |
|---|---|
| Nominal width of Laval nozzle | 0.7 mm |
| Width dimension | 16 mm |
| Muffler construction type | Open |
| Mounting position | Any |
| Ejector characteristics | High vacuum<br>Standard |
| Integrated function | Pressure sensor<br>Muffler open |
| Structural design | T-shape |
| Short-circuit protection | Pulsed |
| Measured variable | Relative pressure |
| Measuring principle | Piezoresistive |
| Method of measurement | Relative |
| Switching element function | N.O. contact |
| Switching function | Threshold value comparator<br>Threshold value with fixed hysteresis |
| Reverse polarity protection | for all electrical connections |
| Display type | LED |
| Setting range threshold value | -100 kPa...0 kPa<br>-1 bar...0 bar |
| Setting options | Teach-in |
| Switching status indication | LED |
| Threshold value setting range | -14.5 psi...0 psi |
| Operating pressure for max. suction rate | 0.3 MPa<br>3 bar<br>43.5 psi |
| Operating pressure | 0.1 MPa...0.8 MPa<br>1 bar...8 bar<br>14.5 psi...116 psi |
| Operating pressure for max. vacuum | 0.44 MPa<br>4.4 bar<br>63.8 psi |
| Max. vacuum | 92 % |
| Nominal operating pressure | 0.6 MPa<br>6 bar |

| Feature | Value |
|---|---|
| | 87 psi |
| Max. suction rate with respect to atmosphere | 16.2 l/min |
| Switch-off time | 4 ms |
| On time | 4 ms |
| DC operating voltage range | 15 V...30 V |
| Inductive protective circuit | Adapted to MZ, MY and ME coils |
| Max. output current | 100 mA |
| Residual current | 0.3 mA |
| Residual ripple | 10% |
| Switching output | PNP |
| Voltage drop | 1.5 V |
| Overload protection | Available |
| Certification | RCM compliance mark |
| KC characters | KC-EMV |
| CE marking (see declaration of conformity) | As per EU EMC directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication not possible |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Temperature of medium | 0 °C...60 °C |
| Cleaning advice | Soap suds |
| Noise 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 | -100 kPa...0 kPa<br>-1 bar...0 bar<br>-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 | 3-pin<br>M8 |
| Type of mounting | With through-hole |
| Pneumatic connection 1 | QS-6 |
| Pneumatic connection 3 | Muffler open |
| Vacuum connection | QS-6 |
| Seals material | NBR |
| Female nozzle material | POM |
| Housing material | Reinforced POM |
| Fiber-optic cable | PC |
| Muffler material | Protective grounding |
| Material of plug housing | Brass<br>PA<br>Chrome-plated and nickel-plated |
| Material of jet nozzle | Wrought aluminum alloy |
| Material of keypad | POM |
| Material of pneumatic fitting | Brass<br>Nickel-plated |