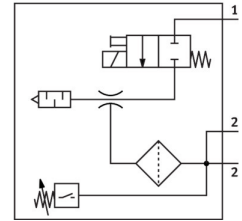


Vacuum generator VADM-140-N

Part number: 162519

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|-------------------------------|--------------------------------------------------|
| Nominal size, Laval nozzle | 1.4 mm |
| Grid dimension | 22 mm |
| Silencer design | Closed |
| Mounting position | optional |
| Ejector characteristic | High vacuum |
| Grade of filtration | ≤40 µm |
| Manual override | Non-detenting |
| Integrated function | Electric on-off valve Filter Vacuum switch |
| Measured variable | Relative pressure |
| Measuring principle | Piezoresistive |
| Switching element function | N/O contact |
| Switching function | Threshold value comparator |
| Symbol | 00991304 |
| Valve function | Closed |
| Reverse polarity protection | For all electrical connections |
| Display type | LED |
| Setting range hysteresis | -0.05 MPa ... -0.005 MPa |
| Setting range hysteresis | -0.5 bar ... -0.05 bar |
| Setting range hysteresis | -7.25 psi ... -0.725 psi |
| Setting options | Potentiometer |
| Switching status indication | Optical |
| Setting range threshold value | -0.09 MPa ... 0 MPa |
| Setting range threshold value | -0.9 bar ... 0 bar |
| Setting range threshold value | -13.05 psi ... 0 psi |
| Operating pressure | 0.2 MPa ... 0.8 MPa |
| Operating pressure | 2 bar ... 8 bar |
| Operating pressure | 29 psi ... 116 psi |
| Max. vacuum | 85 % |
| Nominal operating pressure | 0.6 MPa |
| Nominal operating pressure | 6 bar |
| Nominal operating pressure | 87 psi |

| Feature | Value |
|-----------------------------------------------|---------------------------------------------------|
| Air supply time at nominal operating pressure | 0.69 s |
| Operational voltage range DC | 21.6 V ... 26.4 V |
| Duty cycle | 100% |
| Switching output | NPN |
| Approval | RCM trademark c UL us - Recognized (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive |
| 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 | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Media temperature | 0 °C ... 60 °C |
| Degree of protection | IP65 |
| Ambient temperature | 0 °C ... 50 °C |
| Product weight | 300 g |
| Pressure measuring range | 0 MPa ... 0.1 MPa |
| Pressure measuring range | 0 bar ... 1 bar |
| Pressure measuring range | 0 psi ... 14.5 psi |
| Electrical connection | 4-pin M8x1 Plugs |
| Type of mounting | Either: With through-hole Via female thread |
| Pneumatic connection, port 1 | G1/8 |
| Pneumatic connection, port 3 | Integrated silencer |
| Vacuum connection | G1/4 |
| Note on materials | RoHS-compliant |
| Material seals | NBR |
| Material receiver nozzle | Brass, nickel-plated |
| Material filter | PA |
| Material filter housing | PC |
| Material housing | Wrought aluminium alloy |
| Material silencer | PE POM |
| Material piston | POM |
| Material transmitter nozzle | Nickel-plated brass |