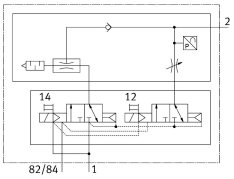
# Manifold sub-base for vacuum
# VABX-A-S-VE-BH-VB010L

Part number: 8233480






## Data sheet

| Feature | Value |
|---|---|
| Width | 12.55 mm |
| Length | 150.8 mm |
| Nominal size, Laval nozzle | 0.95 mm |
| Grid dimension | 12.55 mm |
| Valve size | 10 mm |
| Vibration resistance | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 |
| Silencer design | Open |
| Type of actuation | Electrical |
| Reverse polarity protection | Yes |
| Sealing principle | Soft |
| Mounting position | Any |
| Ejector characteristic | High suction rate |
| Adjustment component | Slotted head screw |
| Diagnostics per internal communication | Switch-off load supply<br>Electronics/sensors overvoltage<br>Electronics/sensors undervoltage |
| Max. number of valve positions | 1 |
| Integrated function | Ejector pulse, electrical<br>Ejector pulse valve, electric<br>Flow control<br>Pressure sensor<br>Pressure transmitter<br>On/off valve, electric<br>Air-saving function, electric<br>Check valve<br>Open silencer<br>With electrical interlinking module |
| Type of piloting | Piloted |
| Pilot air supply | Internal |
| Valve function | 2x3/2 closed monostable<br>5/4-way valve with holding function, for vacuum generator |
| Display type | LED |
| Signal status display | Yes |

| Feature | Value |
|---|---|
| Operating pressure for max. suction flow rate | 0.6 MPa<br>6 bar |
| Operating pressure | 0.2 MPa...0.7 MPa<br>2 bar...7 bar |
| Nominal operating pressure | 0.6 MPa<br>87 psi |
| Pilot pressure | 0.2 MPa...0.7 MPa<br>2 bar...7 bar |
| Max. suction flow rate against atmosphere | 45 l/min |
| Air supply time at nominal operating pressure | 0.42 s |
| Dimensions (W x L x H) | 12.55 mm x 150.8 mm x 68.8 mm |
| Intrinsic current consumption at nominal operating voltage for electronics/sensors | Typical 27 mA |
| Intrinsic current consumption at nominal operating voltage load | Typical 2.5 mA |
| Note regarding operating voltage | SELV/PELV fixed power supplies required<br>Note the voltage drop |
| Power consumption at 24VDC | 0.65 W |
| Nominal DC operating voltage, electronics/sensors | 24 V |
| Nominal operating voltage DC of load | 24 V |
| Power failure bridging | 10 ms |
| Electrical isolation of outputs between channel - internal communication | Yes |
| Potential separation between the supply voltages electronics/sensor technology and load/valves | Yes |
| Permissible voltage fluctuations for electronics/sensors | ±10% |
| Permissible voltage fluctuation of load | ±10% |
| Approval | RCM |
| KC mark | KC-EMV |
| CE mark (see declaration of conformity) | To EU EMC Directive<br>In accordance with EU RoHS Directive |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Ester oil < 0.1mg/m³, according to ISO 8573-1:2010 [-:-:2]<br>Lubricated operation not possible |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-C1-L |
| Storage temperature | -20 °C...70 °C |
| Relative air humidity | 5 - 95% |
| Degree of protection | IP65 |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:-] |
| Ambient temperature | -5 °C...50 °C |
| Nominal altitude of use | <= 2000 m NHN |
| Max. installation height | 2000 m |
| Product weight | 68 g |
| Pressure measuring range | -1 bar...1 bar |
| Electrical control | AP interface |
| Communication interface, protocol | AP-COM |
| Type of mounting | Tie rod |
| Pneumatic connection, port 2 | QS-4<br>QS-6<br>QS-8<br>QS-5/32<br>QS-1/8<br>QS-1/4<br>QS-5/16<br>For tubing outside diameter of 4 mm<br>For tubing outside diameter of 6 mm<br>For tubing outside diameter of 8 mm<br>For tubing outside diameter of 5/32"<br>For tubing outside diameter of 1/4"<br>For tubing outside diameter of 5/16" |

| Feature | Value |
|---|---|
| Note on materials | RoHS compliant |
| Material receiver nozzle | POM |
| Material o-ring | HNBR<br>NBR |
| Material silencer | PP<br>Polyurethane foam |
| Material transmitter nozzle | Wrought aluminium alloy |