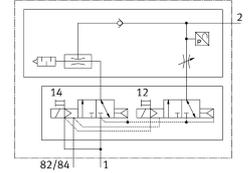


Manifold sub-base for vacuum VABX-A-S-VE-BH-VB010H

Part number: 8213836

FESTO



Data sheet

| Feature | Value |
|--|--|
| 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 | Electric |
| Reverse polarity protection | yes |
| Sealing principle | Soft |
| Mounting position | optional |
| Ejector characteristic | High vacuum |
| Adjustment component | Slotted head screw |
| Diagnostics per internal communication | Load switch-off Electronics/sensors overvoltage Electronics/sensors undervoltage |
| Integrated function | Electric ejector pulse Electric ejector pulse valve Flow control Pressure sensor Pressure transmitter Electric on-off valve Air saving function, electrical Check valve Open silencer With electrical interlinking module |
| Max. number of valve positions | 1 |
| Type of piloting | Pilot actuated |
| Pilot air supply | Internal |
| Valve function | 2x3/2-way, monostable, closed |
| Max. number of valve coils | 2 |
| Display type | LED |
| Signal status display | yes |

| Feature | Value |
|--|---|
| Operating pressure for max. suction flow rate | 0.4 MPa 4 bar 58 psi |
| Operating pressure | 0.2 MPa...0.7 MPa 2 bar...7 bar |
| Operating pressure for max. vacuum | 3.8 bar |
| Max. vacuum | 0.093 MPa |
| Nominal operating pressure | 0.6 MPa 87 psi |
| Pilot pressure | 0.2 MPa...0.7 MPa 2 bar...7 bar |
| Max. suction flow rate against atmosphere | 24 l/min |
| Air supply time at nominal operating pressure | 0.39 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 | Typically 27 mA |
| Intrinsic current consumption at nominal operating voltage load | Typically 2.5 mA |
| Note regarding operating voltage | SELV/PELV fixed power supplies required Note 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 trademark |
| KC mark | KC-EMV |
| CE mark (see declaration of conformity) | To EU EMC Directive 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/m ³ , according to ISO 8573-1:2010 [-::2] Lubricated operation not possible |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-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 |

| Feature | Value |
|------------------------------|--|
| Pneumatic connection, port 2 | QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16 For tubing outside diameter of 4 mm For tubing outside diameter of 6 mm For tubing outside diameter of 8 mm For tubing outside diameter of 5/32" For tubing outside diameter of 1/4" For tubing outside diameter of 5/16" |
| Note on materials | RoHS-compliant |
| Material receiver nozzle | POM |
| Material o-ring | HNBR NBR |
| Material silencer | PP PU foam |
| Material transmitter nozzle | Wrought aluminium alloy |