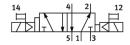
Solenoid valve VSVA-B-D52-H-A2-2AC1

FESTO

Part number: 547177





Data sheet

| Feature | Value | |
|---|--|--|
| Valve function | 5/2-way, bistable, dominant | |
| Type of actuation | Electric | |
| Valve size | 18 mm | |
| Standard nominal flow rate (standardised to DIN 1343) | 550 l/min | |
| pneumatic working port | Sub-base size 18 mm to ISO 15407-1 Sub-base size 02 to VDMA 24563 G1/8 | |
| Operating voltage | 110V AC | |
| Operating pressure | 0.2 MPa1 MPa 2 bar10 bar | |
| Design | Piston gate valve | |
| CE mark (see declaration of conformity) | To EU Low Voltage Directive | |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC | |
| Degree of protection | IP65 NEMA 4 | |
| Nominal size | 5 mm | |
| Exhaust-air function | With flow control option | |
| Sealing principle | Soft | |
| Mounting position | optional | |
| Conforms to standard | ISO 15407-1 VDMA 24563 | |
| Manual override | Non-detenting | |
| Type of piloting | Pilot actuated | |
| Pilot air supply | Internal | |
| Flow direction | Non-reversible | |
| lap | Overlap | |
| Signal status display | LED | |
| Pilot pressure | 0.3 MPa1 MPa 3 bar10 bar | |
| Flow rate of valve | 750 l/min | |
| Flow rate of valve on individual sub-base | 550 l/min | |
| Flow rate of pneumatically interlinked valve | 550 l/min | |
| Switching time reversal | 15 ms | |

| Feature | Value |
|---|--|
| Duty cycle | 100% |
| Characteristic coil data | 110 V AC: 50/60 Hz, pick-up power 2.9 VA, holding power 2.1 VA |
| Permissible voltage fluctuations | -15%/+10% |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| 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 |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Media temperature | -5 °C50 °C |
| Relative air humidity | 0 - 90% |
| Sound pressure level | 85 dB(A) |
| Pilot medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C50 °C |
| Max. tightening torque for valve mounting | 1 Nm |
| Product weight | 174 g |
| Electrical connection | Type C With protective earth conductor To DIN EN 175301-803 |
| Type of mounting | On sub-base |
| Auxiliary pilot air port 12 | Sub-base size 18 mm to ISO 15407-1 |
| Auxiliary pilot air port 14 | Sub-base size 18 mm to ISO 15407-1 |
| Pilot exhaust port 82/84 | Ducted Not ducted as per standard |
| Pneumatic connection, port 1 | Sub-base size 18 mm to ISO 15407-1 |
| Pneumatic connection, port 2 | Sub-base size 18 mm to ISO 15407-1 |
| Pneumatic connection, port 3 | Sub-base size 18 mm to ISO 15407-1 |
| Pneumatic connection, port 4 | Sub-base size 18 mm to ISO 15407-1 |
| Pneumatic connection, port 5 | Sub-base size 18 mm to ISO 15407-1 |
| Pilot control interface | To ISO 15218 |
| Note on materials | RoHS-compliant |
| Material seals | HNBR NBR |
| Material housing | Die-cast aluminium |
| Material screws | Steel Galvanised |