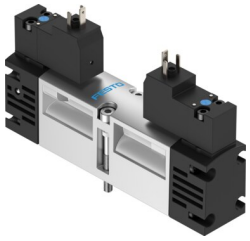
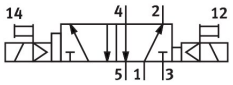
# Air solenoid valve
# VSVA-B-D52-H-A2-3AC1

Part number: 547217






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2-way, dominant, bistable |
| Actuation type | Electrical |
| Valve size | 18 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 550 l/min |
| Pneumatic working port | Sub-base, size 18 mm as per ISO 15407-1<br>Connecting plate size 02 according to VDMA 24563<br>G1/8 |
| Operating voltage | 230V AC |
| Operating pressure | 0.2 MPa...1 MPa<br>2 bar...10 bar |
| Structural design | Piston gate valve |
| CE marking (see declaration of conformity) | As per EU low voltage directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC |
| Degree of protection | IP65<br>NEMA 4 |
| Nominal width | 5 mm |
| Exhaust air function | Adjustable |
| Sealing principle | Soft |
| Mounting position | Any |
| Conforms to standard | ISO 15407-1<br>VDMA 24563 |
| Manual override | Non-detenting |
| Type of control | Piloted |
| Pilot air supply port | Internal |
| Flow direction | Non-reversible |
| Lap | Positive overlap |
| Signal status display | LED |
| Pilot pressure MPa | 0.3 MPa...1 MPa |
| Pilot pressure | 3 bar...10 bar |
| Flow rate of pneumatic valve | 750 l/min |
| Flow rate of pneumatic valve on individual sub-base | 550 l/min |
| Optimized flow rate of pneumatic valve pneumatically concatenated flow | 550 l/min |
| Changeover time | 15 ms |

| Feature | Value |
|---|---|
| Duty cycle | 100% |
| Coil characteristics | 230 V AC: 50/60 Hz, initial power 2.9 VA, holding power 2.1 VA |
| Permissible voltage fluctuations | -15% / +10% |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Vibration resistance | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 |
| Corrosion resistance class (CRC) | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Temperature of medium | -5 °C...50 °C |
| Relative air humidity | 0 - 90% |
| Noise level | 85 dB(A) |
| Pilot medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C...50 °C |
| Max. tightening torque for valve mounting | 1 Nm |
| Product weight | 174 g |
| Electrical connection | Type C<br>With PE conductor<br>As per DIN EN 175301-803 |
| Type of mounting | On sub-base |
| Auxiliary pilot air port 12 | Sub-base, size 18 mm as per ISO 15407-1 |
| Auxiliary pilot air port 14 | Sub-base, size 18 mm as per ISO 15407-1 |
| Pilot exhaust air port 82/84 | Ducted<br>Not ducted as per standard |
| Pneumatic connection 1 | Sub-base, size 18 mm as per ISO 15407-1 |
| Pneumatic connection 2 | Sub-base, size 18 mm as per ISO 15407-1 |
| Pneumatic connection 3 | Sub-base, size 18 mm as per ISO 15407-1 |
| Pneumatic connection 4 | Sub-base, size 18 mm as per ISO 15407-1 |
| Pneumatic connection 5 | Sub-base, size 18 mm as per ISO 15407-1 |
| Pilot interface | As per ISO 15218 |
| Note on materials | RoHS compliant |
| Seals material | HNBR<br>NBR |
| Housing material | Die-cast aluminum |
| Material of screws | Steel<br>Galvanized |