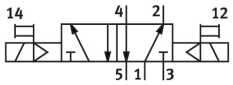
# Air solenoid valve
# VSVA-B-B52-D-D1-1R5L

Part number: 561364






General operating condition

## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2, bistable |
| Actuation type | Electrical |
| Width | 42 mm |
| Standard nominal flow rate | 1300 l/min |
| Pneumatic working port | Sub-base, size 1 according to ISO 5599-1<br>G1/4 |
| Operating voltage | 24V DC |
| Operating pressure | 0.3 MPa ... 1 MPa |
| Operating pressure | 3 bar ... 10 bar |
| Structural design | Piston gate valve |
| Certification | c UL us - Recognized (OL) |
| Degree of protection | IP65<br>NEMA 4 |
| Nominal width | 11 mm |
| Width dimension | 43 mm |
| Exhaust air function | With flow control option<br>Via throttle plate<br>Via individual sub-base |
| Sealing principle | Soft |
| Mounting position | Any |
| Conforms to standard | ISO 5599-1 |
| Manual override | Detenting<br>Non-detenting |
| Type of control | Pilot-controlled |
| Pilot air supply port | Internal |
| Flow direction | Non-reversible |
| Symbol | 00991005 |
| Lap | Overlap |
| Signal status display | LED |
| Flow rate of pneumatic valve | 2000 l/min |
| Flow rate of pneumatic valve on individual sub-base | 1400 l/min |
| Optimized flow rate of pneumatic valve pneumatically concatenated flow | 1300 l/min |
| Changeover time | 16 ms |
| Duty cycle | 100% |
| Max. positive test pulse with 0 signal | 1400 µs |
| Max. negative test pulse on 1 signal | 900 µs |
| Coil characteristics | 24 V DC: 1.6 W |

| Feature | Value |
|---|---|
| Permissible voltage fluctuations | +/- 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 % |
| Pilot medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -5 °C ... 50 °C |
| Product weight | 439 g |
| Electrical connection | 3-pin<br>M12x1<br>Central plug<br>Round design |
| Type of mounting | On sub-base |
| Pneumatic connection 1 | Sub-base, size 1 as per ISO 5599-1 |
| Pneumatic connection 2 | Sub-base, size 1 as per ISO 5599-1 |
| Pneumatic connection 3 | Sub-base, size 1 as per ISO 5599-1 |
| Pneumatic connection 4 | Sub-base, size 1 as per ISO 5599-1 |
| Pneumatic connection 5 | Sub-base, size 1 as per ISO 5599-1 |
| Note on materials | RoHS-compliant |
| Seals material | FPM<br>HNBR<br>NBR |
| Housing material | Die-cast aluminum<br>PA |
| Material of screws | Steel<br>Galvanized |

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