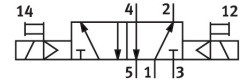


Solenoid valve VSVA-B-B52-H-D2-F8-1A1

Part number: 8033825

FESTO



Data sheet

| Feature | Value |
|--|--|
| Valve function | 5/2, bistable |
| Actuation type | Electrical |
| Width | 52 mm |
| Nominal flow rate standardized according to ISO 8778 | 4000 l/min |
| Pneumatic working port | Sub-base, size 2 according to ISO 5599-1 |
| Operating voltage | 24V DC |
| Operating pressure | 0.3 MPa...1.6 MPa 3 bar...16 bar |
| Structural design | Piston gate valve |
| Degree of protection | IP65 NEMA 4 |
| Nominal width | 11.5 mm |
| Width dimension | 53 mm |
| Exhaust air function | Via individual sub-base |
| Sealing principle | Soft |
| Mounting position | Any |
| Conforms to standard | ISO 5599-1 |
| Manual override | Non-detenting |
| Type of control | Pilot-controlled |
| Pilot air supply port | Internal |
| Flow direction | Non-reversible |
| Lap | Overlap |
| Pilot pressure MPa | 0.3 MPa...1 MPa |
| Pilot pressure | 3 bar...10 bar |
| Suitability for vacuum | no |
| b-value | 0.2 |
| C value | 8.578 l/sbar |
| Flow rate of pneumatic valve | 3700 l/min |
| Flow rate of pneumatic valve on individual sub-base | 3100 l/min |
| Optimized flow rate of pneumatic valve pneumatically concatenated flow | 1400 l/min |
| Max. switching frequency | 5 Hz |
| Changeover time | 23 ms |

| Feature | Value |
|---|--|
| Duty cycle | 100% |
| Coil characteristics | 24 V DC: 2.6 W |
| 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) |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Temperature of medium | -10 °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 | -10 °C...50 °C |
| Max. tightening torque for valve mounting | 2 Nm |
| Product weight | 748 g |
| Electrical connection | Form A as per EN 175301-803 |
| Type of mounting | On sub-base |
| Pilot air port 12 | Sub-base, size 2 as per ISO 5599-1 |
| Pilot air port 14 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 1 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 2 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 3 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 4 | Sub-base, size 2 as per ISO 5599-1 |
| Pneumatic connection 5 | Sub-base, size 2 as per ISO 5599-1 |
| Pilot interface | as per ISO 15218 |
| Note on materials | RoHS-compliant |
| Seals material | NBR |
| Housing material | Die-cast aluminum |
| Material of screws | Steel |