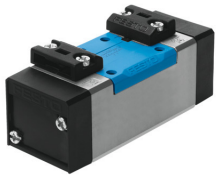
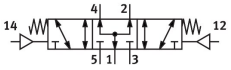
# Pneumatic valve
# VL-5/3B-D-1-C-EX

Part number: 536025






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/3-way, pressurized |
| Actuation type | Pneumatic |
| Width | 42 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 1200 l/min |
| Pneumatic working port | Sub-base, size 1 according to ISO 5599-1<br>G1/4 |
| Operating pressure | -0.09 MPa...1.6 MPa<br>-0.9 bar...16 bar |
| Structural design | Piston gate valve |
| Reset method | Mechanical spring |
| CE marking (see declaration of conformity) | as per EU explosion protection directive (ATEX) |
| UKCA marking (see declaration of conformity) | acc. to UK EX instructions |
| ATEX category gas | II 2G |
| ATEX category for dust | II 2D |
| Type of ignition protection for gas | Ex h IIC T4 Gb |
| Type of (ignition) protection for dust | Ex h IIIC T130°C Db |
| Explosive ambient temperature | -10°C <= Ta <= +60°C |
| Explosion protection certification outside the EU | EPL Db (GB)<br>EPL Gb (GB) |
| Nominal width | 8 mm |
| Width dimension | 43 mm |
| Exhaust air function | Adjustable |
| Sealing principle | Soft |
| Mounting position | Any |
| Conforms to standard | ISO 5599-1 |
| Manual override | None |
| ISO code | 107 |
| Type of control | directly |
| Flow direction | Reversible |
| Lap | Positive overlap |
| Pilot pressure MPa | 0.3 MPa...1.6 MPa |
| Pilot pressure | 3 bar...16 bar |

| Feature | Value |
|---|---|
| Switching time off | 44 ms |
| On switching time | 7 ms |
| Explosion prevention and protection | Zone 1 (ATEX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (UKEX)<br>Zone 22 (ATEX) |
| 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 1 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 |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Temperature of medium | -10 °C...60 °C |
| Noise level | 85 dB(A) |
| Pilot medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -10 °C...60 °C |
| Product weight | 320 g |
| Type of mounting | On sub-base<br>With through-hole |
| Pilot air port 12 | Sub-base, size 1 as per ISO 5599-1 |
| Pilot air port 14 | Sub-base, size 1 as per ISO 5599-1 |
| 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 | HNBR<br>NBR |
| Housing material | Die-cast aluminum |