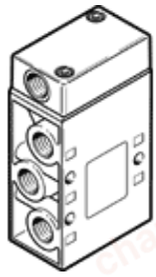
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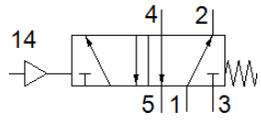
# pneumatic valve
# VL-5-1/4-EX

Part number: 536033

FESTO

5/2-way function, pneumatically actuated, with spring return






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2 monostable |
| Type of actuation | pneumatic |
| Width | 30.5 mm |
| Standard nominal flow rate | 800 l/min |
| Operating pressure | 0 ... 8 bar |
| Design structure | Poppet seat |
| Type of reset | mechanical spring |
| Protection class | IP65 |
| CE mark (see declaration of conformity) | to EU directive explosion protection (ATEX) |
| ATEX category Gas | II 2G |
| ATEX category Dust | II 2D |
| Explosion ignition protection type Gas | Ex h IIC T4 Gb |
| Explosion ignition protection type Dust | Ex h IIIC T130°C Db |
| Explosion-proof ambient temperature | -10°C <= Ta <= +60°C |
| Nominal size | 7 mm |
| Grid dimension | 32 mm |
| Exhaust-air function | throttleable |
| Sealing principle | soft |
| Assembly position | Any |
| Type of piloting | direct |
| Pilot air supply | external |
| Flow direction | non reversible |
| Overlap | Underlap |
| Pilot pressure | 1.2 ... 10 bar |
| Switching time off | 11 ms |
| Switching time on | 7 ms |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 1 - Low corrosion stress |
| Storage temperature | -20 ... 60 °C |
| Medium temperature | -10 ... 60 °C |
| Pilot medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Ambient temperature | -10 ... 60 °C |
| Product weight | 220 g |
| Mounting type | Optional<br>on manifold rail<br>with through hole |
| Scavenging orifice connection | M5 |
| Pilot air port 14 | G1/8 |
| Pneumatic connection, port 1 | G1/4 |
| Pneumatic connection, port 2 | G1/4 |
| Pneumatic connection, port 3 | G1/4 |
| Pneumatic connection, port 4 | G1/4 |

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| Feature | Value |
|---|---|
| Pneumatic connection, port 5 | G1/4 |
| Materials note | Conforms to RoHS |
| Material seals | NBR<br>TPE-U(PU) |
| Material housing | Aluminium die cast |