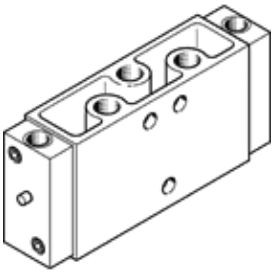
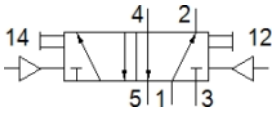
# Pneumatic valve
# JH-5-1/2-EX

Part number: 536037

FESTO






## Data sheet

| Feature | values |
|---|---|
| Valve function | 5/2 bistable |
| Type of actuation | pneumatic |
| Width | 52 mm |
| Standard nominal flow rate | 4,500 l/min |
| Working pressure | 0 ... 10 bar |
| Design structure | Poppet seat |
| Protection class | IP65 |
| Nominal size | 14 mm |
| Grid dimension | 69 mm |
| Exhaust-air function | throttleable |
| Sealing principle | soft |
| Assembly position | Any |
| Manual override | detenting |
| Type of piloting | direct |
| Pilot air supply | external |
| Flow direction | non reversible |
| Freedom from overlap | No |
| Note on forced dynamisation | Switching frequency at least once a week |
| Pilot pressure | 1.2 ... 10 bar |
| b value | 0.3 |
| Max. switching frequency | 12 Hz |
| Switching time reversal | 3 ms |
| Max. positive test pulse with logic 0 | 2,200 µs |
| Max. negative test pulse with logic 1 | 3,700 µs |
| ATEX category Gas | II 2G |
| Explosion ignition protection type Gas | c T4 |
| ATEX category Dust | II 2D |
| Explosion ignition protection type Dust | c 130°C |
| Explosion-proof ambient temperature | -10°C <= Ta <= +60°C |
| 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) |
| CE symbol (see declaration of conformity) | according to EU-Ex protection guideline (ATEX) |
| Corrosion resistance classification CRC | 1 |
| Storage temperature | -20 ... 60 °C |
| Medium temperature | -10 ... 60 °C |
| Ambient temperature | -10 ... 60 °C |
| Product weight | 1,130 g |
| Mounting type | Optional<br>on manifold rail<br>with through hole |
| Auxiliary pilot air port 12 | G1/4 |
| Auxiliary pilot air port 14 | G1/4 |
| Scavenging orifice connection | M5 |
| Pilot air port 12 | G1/4 |
| Pneumatic connection, port 1 | G1/2 |

| Feature | values |
|---|---|
| Pneumatic connection, port 2 | G1/2 |
| Pneumatic connection, port 3 | G1/2 |
| Pneumatic connection, port 4 | G1/2 |
| Pneumatic connection, port 5 | G1/2 |
| Materials note | Conforms to RoHS |
| Materials information for seals | NBR<br>TPE-U(PU) |
| Materials information, housing | Aluminum die cast |