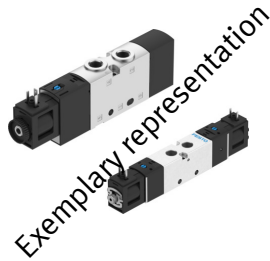


Air solenoid valve VUVS-20

Part number: 576516

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|---|---|
| Valve function | 2x3/2, closed, monostable 2x3/2, open, monostable 2x3/2, open/closed, monostable 3/2, closed, monostable 3/2, open, monostable 5/2, bistable 5/2, monostable 5/3, pressurized 5/3, exhausted 5/3, closed |
| Actuation type | Electrical |
| Valve size | 21 mm |
| Standard nominal flow rate | 500 l/min ... 700 l/min |
| Pneumatic working port | G1/8 1/8 NPT QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16 |
| Operating voltage | 110V AC 120V AC 12V DC 230V AC 240V AC 24V AC 24V DC |
| Operating pressure | -0.09 MPa ... 1 MPa |
| Operating pressure | -0.9 bar ... 10 bar |
| Structural design | Piston gate valve Plate seat |
| Reset method | Mechanical spring Pneumatic spring |
| Certification | c UL us - Recognized (OL) |
| CE marking (see declaration of conformity) | as per EU explosion protection directive (ATEX) |
| Explosion protection certification outside the EU | EPL Dc (GB) EPL Gc (GB) |
| UKCA marking (see declaration of conformity) | acc. to UK EX instructions |
| ATEX category gas | II 3G |
| ATEX category for dust | II 3D |
| Type of ignition protection for gas | Ex ec IIC T4 Gc X |

| Feature | Value |
|--|--|
| Type of (ignition) protection for dust | Ex tc IIIC T115°C Dc X |
| Explosive ambient temperature | -10°C ≤ Ta ≤ +60°C |
| Degree of protection | IP65 IP67 With plug socket as per IEC 60529 |
| Exhaust air function | With flow control option |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Detenting Non-detenting Covered |
| Type of control | Pilot-controlled |
| Pilot air supply port | External Internal |
| Flow direction | Reversible with restrictions |
| Explosion prevention and protection | Zone 2 (ATEX) Zone 2 (UKEX) Zone 22 (ATEX) Zone 22 (UKEX) |
| 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) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Cleanroom class | Class 6 according to ISO 14644-1 |
| Temperature of medium | -10 °C ... 60 °C |
| Pilot medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Ambient temperature | -10 °C ... 60 °C |
| Type of mounting | On terminal strip With through-hole Optionally: |
| Venting hole connection | Not ducted |
| Note on materials | RoHS-compliant |
| Housing material | Die-cast aluminum Painted |
| Piston slide material | Wrought aluminum alloy High-alloy stainless steel |
| Material of screws | Steel, galvanized |