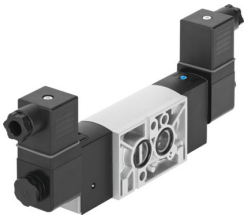
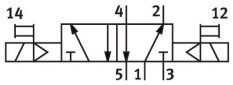
# Air solenoid valve
# VSNC-F-B52-D-G14-FN-1A1-EX4-A

Part number: 577282






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2-way, bistable |
| Actuation type | Electrical |
| Width | 32 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 1350 l/min |
| Pneumatic working port | NAMUR connection pattern |
| Operating voltage | 24V DC |
| Operating pressure | 0.15 MPa...0.8 MPa<br>1.5 bar...8 bar |
| Structural design | Piston gate valve |
| Explosion protection certification outside the EU | EPL Db (IEC-EX)<br>EPL Ga (IEC-EX) |
| Certificate issuing authority | DNVGL-TAA000011J |
| ATEX category gas | II 2G |
| ATEX category for dust | II 2D |
| Type of ignition protection for gas | Ex ia IIC T6 Ga |
| Type of (ignition) protection for dust | Ex t IIIC T80°C Db |
| Explosive ambient temperature | -40°C <= Ta <= +50°C |
| Degree of protection | IP65<br>With plug socket<br>As per IEC 60529 |
| Exhaust air function | Adjustable |
| Sealing principle | Soft |
| Mounting position | Any |
| Conforms to standard | VDI/VDE 3845 (NAMUR) |
| Manual override | Detenting<br>Non-detenting |
| Type of control | Piloted |
| Pilot air supply port | Internal |
| Flow direction | Non-reversible |
| Lap | Positive overlap |
| Signal status display | With accessories |
| b-value | 0.4 |
| C value | 5.6 l/sbar |

| Feature | Value |
|---|---|
| Changeover time | 20 ms |
| Duty cycle | 100% |
| Max. input voltage Vi | 28 V |
| Max. input current Ii | 115 mA |
| Permissible voltage fluctuations | +/- 10% |
| Explosion prevention and protection | Zone 0 (IEC-EX)<br>Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (IEC-EX)<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) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Temperature of medium | -20 °C...60 °C |
| Ambient temperature | -20 °C...60 °C |
| Product weight | 685 g |
| Electrical connection | Type A<br>As per EN 175301-803 |
| Type of mounting | With through-hole |
| Venting hole connection | Not ducted |
| Pneumatic connection 1 | G1/4 |
| Pneumatic connection 2 | NAMUR connection pattern |
| Pneumatic connection 3 | G1/4 |
| Pneumatic connection 4 | NAMUR connection pattern |
| Pneumatic connection 5 | G1/4 |
| Note on materials | RoHS compliant |
| Seals material | NBR |
| Housing material | Wrought aluminum alloy |
| Material of screws | Galvanized steel |