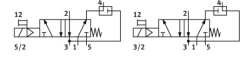


Solenoid valve

VSNC-FC-M52-MD-G14-FN-1A1-EX4-A

FESTO

Part number: 577281



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|---|--|
| Valve function | 5/2-way or 3/2-way, convertible |
| Type of actuation | Electric |
| Construction width | 32 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 1250 l/min |
| pneumatic working port | NAMUR port pattern |
| Operating voltage | 24V DC |
| Operating pressure | 0.25 MPa ... 0.8 MPa |
| Operating pressure | 2.5 bar ... 8 bar |
| Design | Piston gate valve |
| Type of reset | Mechanical spring |
| Explosion protection certification outside the EU | EPL Db (IEC-EX) EPL Ga (IEC-EX) |
| Certificate issuing authority | DNVGL-TAA000011J |
| ATEX category gas | II 2G |
| ATEX category dust | II 2D |
| Explosion ignition protection type for gas | Ex ia IIC T6 Ga |
| Explosion ignition protection type for dust | Ex t IIIC T80°C Db |
| Explosion ambient temperature | -40 °C ≤ Ta ≤ +50 °C |
| Degree of protection | IP65 With plug socket To IEC 60529 |
| Exhaust-air function | With flow control option |
| Sealing principle | Soft |
| Mounting position | optional |
| Conforms to standard | VDI/VDE 3845 (NAMUR) |
| Manual override | Detenting Non-detenting |
| Type of piloting | Pilot actuated |
| Pilot air supply | Internal |
| Flow direction | Non-reversible |
| Symbol | 00991831 |
| lap | Overlap |
| Signal status display | With accessories |
| b value | 0.4 |
| C value | 5.2 l/sbar |
| Standard nominal flow rate, exhaust return 4→3 | 110 l/min |
| Switching time off | 92 ms |

| Feature | Value |
|------------------------------------|---|
| Switching time on | 35 ms |
| Duty cycle | 100% |
| Max. input voltage U_i | 28 V |
| Max. input current I_i | 115 mA |
| Permissible voltage fluctuations | +/- 10 % |
| Explosion protection | Zone 0 (IEC-EX) Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (IEC-EX) Zone 22 (ATEX) |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Media temperature | -20 °C ... 60 °C |
| Ambient temperature | -20 °C ... 60 °C |
| Product weight | 530 g |
| Electrical connection | Type A To EN 175301-803 |
| Type of mounting | With through-hole |
| Breather connection | Not ducted |
| Pneumatic connection, port 1 | G1/4 |
| Pneumatic connection, port 2 | NAMUR port pattern |
| Pneumatic connection, port 3 | G1/4 |
| Pneumatic connection, port 4 | NAMUR port pattern |
| Pneumatic connection, port 5 | G1/4 |
| Note on materials | RoHS-compliant |
| Material seals | NBR |
| Material housing | Wrought aluminium alloy |
| Material screws | Galvanised steel |