

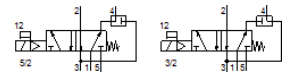
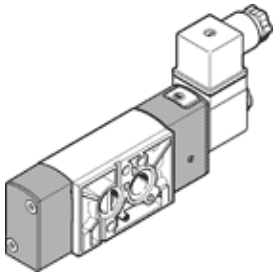
solenoid valve

VSNC-FC-M52-MD-N14-FN-1A1-EX4-A

Part number: 577286

FESTO

NAMUR valve 1/4", monostable, FN armature system, with coil, intrinsically safe.



Data sheet

| Feature | Value |
|--|---|
| Valve function | 5/2 or 3/2, convertible |
| Type of actuation | electrical |
| Width | 32 mm |
| Standard nominal flow rate | 1,250 l/min |
| Operating pressure | 2.5 ... 8 bar |
| Design structure | Piston slide |
| Type of reset | mechanical spring |
| Explosion protection certification outside the EU | EPL Db (IEC-EX) EPL Ga (IEC-EX) |
| Certificate issuing department | DNVGL-TAA000011J |
| ATEX category Gas | II 2G |
| ATEX category Dust | II 2D |
| Explosion ignition protection type Gas | Ex ia IIC T6 Ga |
| Explosion ignition protection type Dust | Ex t IIIC T80°C Db |
| Explosion-proof ambient temperature | -40°C ≤ Ta ≤ +50°C |
| Protection class | IP65 with plug socket to IEC 60529 |
| Exhaust-air function | throttleable |
| Sealing principle | soft |
| Assembly position | Any |
| Conforms to standard | VDI/VDE 3845 (NAMUR) |
| Manual override | detenting Pushing |
| Type of piloting | Piloted |
| Pilot air supply | Internal |
| Flow direction | non reversible |
| Overlap | Positive overlap |
| Signal status display | with accessories |
| b value | 0.4 |
| C value | 5.2 l/sbar |
| Standard nominal flow rate, exhaust air return 4→3 | 110 l/min |
| Switching time off | 92 ms |
| Switching time on | 35 ms |
| Duty cycle | 100 % |
| Max. input voltage | 28 V |
| Max. input current | 115 mA |
| Permissible voltage fluctuation | +/- 10 % |
| 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 | 2 - Moderate corrosion stress |
| Medium temperature | -20 ... 60 °C |

| Feature | Value |
|-------------------------------|--|
| Ambient temperature | -20 ... 60 °C |
| Product weight | 530 g |
| Electrical connection | to EN 175301-803 Plug pattern type A to EN 175301-803 |
| Mounting type | with through hole |
| Scavenging orifice connection | Non-ducted |
| Pneumatic connection, port 1 | 1/4 NPT |
| Pneumatic connection, port 2 | NAMUR port pattern |
| Pneumatic connection, port 3 | 1/4 NPT |
| Pneumatic connection, port 4 | NAMUR port pattern |
| Pneumatic connection, port 5 | 1/4 NPT |
| Materials note | Conforms to RoHS |
| Material seals | NBR |
| Material housing | Wrought Aluminium alloy |
| Material screws | High alloy steel, non-corrosive |