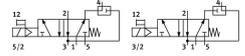


# Solenoid valve

## VSNC-FTC-M52-MD-G14-FN-1A1

FESTO

Part number: 577 297



## 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) | 800 l/min  |
| pneumatic working port                                | NAMUR port pattern                               |
| Operating voltage                                     | 24V DC   |
| Operating pressure                                    | 0.25 MPa...0.8 MPa<br>2.5 bar...8 bar            |
| Design  | Poppet seat                                      |
| Type of reset   | Mechanical spring                                |
| Certificate issuing authority                         | DNVGL-TAA000011J                                 |
| Degree of protection                                  | IP65<br>IP67<br>With plug socket<br>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<br>Non-detenting                       |
| Type of piloting                                      | Pilot actuated                                   |
| Pilot air supply                                      | Internal   |
| Flow direction  | Non-reversible                                   |
| lap   | Underlap   |
| Signal status display                                 | With accessories                                 |
| b value   | 0.15   |
| C value   | 3.96 l/sbar                                      |
| Standard nominal flow rate, exhaust return 4->3       | 110 l/min  |
| Switching time off                                    | 120 ms   |
| Switching time on                                     | 16 ms  |
| Duty cycle  | 100%   |
| Characteristic coil data                              | 24 V DC: 0.7 W                                   |

| Feature                            | Value  |
|------------------------------------|--|
| Permissible voltage fluctuations   | +/- 10 %   |
| 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                     | 495 g  |
| Electrical connection              | Type A<br>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   |