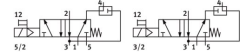


# Air solenoid valve VSNC-FTC-M52-MD-G14-FN

Part number: 577277

**FESTO**



[PDF](#) General operating condition

## Data sheet

| Feature                                            | Value                                                              |
|----------------------------------------------------|--------------------------------------------------------------------|
| Valve function                                     | 5/2 or 3/2 switchable                                              |
| Actuation type                                     | Electrical                                                         |
| Width                                              | 32 mm                                                              |
| Standard nominal flow rate                         | 800 l/min                                                          |
| Pneumatic working port                             | NAMUR connection diagram                                           |
| Operating voltage                                  | Via solenoid coil, to be ordered separately                        |
| Operating pressure                                 | 0.25 MPa ... 0.8 MPa                                               |
| Operating pressure                                 | 2.5 bar ... 8 bar                                                  |
| Structural design                                  | Plate seat                                                         |
| Reset method                                       | Mechanical spring                                                  |
| Certificate issuing authority                      | DNVGL-TAA000011J                                                   |
| Exhaust air function                               | With flow control option                                           |
| Sealing principle                                  | Soft                                                               |
| Mounting position                                  | Any                                                                |
| Conforms to standard                               | VDI/VDE 3845 (NAMUR)                                               |
| Manual override                                    | Detenting<br>Non-detenting                                         |
| Type of control                                    | Pilot-controlled                                                   |
| Pilot air supply port                              | Internal                                                           |
| Flow direction                                     | Non-reversible                                                     |
| Symbol                                             | 00991831                                                           |
| Lap                                                | Underlap                                                           |
| Signal status display                              | With accessories                                                   |
| b-value                                            | 0.15                                                               |
| C value                                            | 3.96 l/sbar                                                        |
| Standard nominal flow rate, exhaust air return 4→3 | 110 l/min                                                          |
| Switching time off                                 | 120 ms                                                             |
| On switching time                                  | 16 ms                                                              |
| Duty cycle                                         | 100%                                                               |
| Coil characteristics                               | See solenoid coil, to be ordered separately                        |
| 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                                                   |

| Feature                 | Value                    |
|-------------------------|--------------------------|
| Product weight          | 400 g                    |
| Type of mounting        | With through-hole        |
| Venting hole connection | Not ducted               |
| Pneumatic connection 1  | G1/4                     |
| Pneumatic connection 2  | NAMUR connection diagram |
| Pneumatic connection 3  | G1/4                     |
| Pneumatic connection 4  | NAMUR connection diagram |
| Pneumatic connection 5  | G1/4                     |
| Note on materials       | RoHS-compliant           |
| Seals material          | NBR                      |
| Housing material        | Wrought aluminum alloy   |
| Material of screws      | Steel, galvanized        |