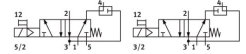
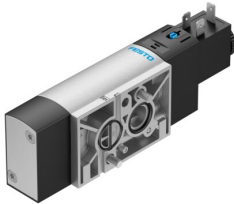


# Air solenoid valve VSNC-FC-M52-MD-G14-F8-1B2

Part number: 577295

**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                          | 1250 l/min                                           |
| Pneumatic working port                              | NAMUR connection diagram                             |
| Operating voltage                                   | 24V DC                                               |
| Operating pressure                                  | 0.25 MPa ... 1 MPa                                   |
| Operating pressure                                  | 2.5 bar ... 10 bar                                   |
| Structural design                                   | Piston gate valve                                    |
| Reset method                                        | Mechanical spring                                    |
| Certification                                       | c UL us - Recognized (OL)                            |
| Certificate issuing authority                       | DNVGL-TAA000011J                                     |
| Degree of protection                                | IP65<br>IP67<br>With plug socket<br>as per IEC 60529 |
| 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                                                 | 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                                  | 48 ms                                                |
| On switching time                                   | 11 ms                                                |
| Duty cycle                                          | 100%                                                 |
| Coil characteristics                                | 24 V DC: 3.3 W                                       |
| Permissible voltage fluctuations                    | +/- 10 %                                             |
| Operating medium                                    | Compressed air as per ISO 8573-1:2010 [7:4:4]        |

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| 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                           | 380 g                                                              |
| Electrical connection                    | 3-pin<br>Form B<br>Plug<br>As per industrial standard (11 mm)      |
| 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                                                  |