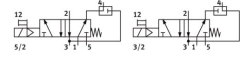


# Air solenoid valve VSNC-FC-M52-MD-G14-FN-3AA1+G

Part number: 8078399

**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                                   | 230V AC                                                            |
| Operating pressure                                  | 0.25 MPa ... 0.8 MPa                                               |
| Operating pressure                                  | 2.5 bar ... 8 bar                                                  |
| Structural design                                   | Piston gate valve                                                  |
| Reset method                                        | Mechanical spring                                                  |
| 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                                  | 92 ms                                                              |
| On switching time                                   | 35 ms                                                              |
| Duty cycle                                          | 100%                                                               |
| Coil characteristics                                | 230 V AC: 50/60 Hz, initial power 6.2 VA, holding power 3.7 VA     |
| Permissible voltage fluctuations                    | +/- 10 %                                                           |
| 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) |

| Feature                          | Value                          |
|----------------------------------|--------------------------------|
| 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                   | 415 g                          |
| Electrical connection            | Form A<br>as per EN 175301-803 |
| 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              |