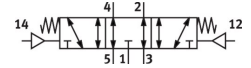


# Solenoid valve VSNC-F-P53E-M-N14-P2

Part number: 8114702

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                               | Value                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                        | 5/3 exhausted                                                                              |
| Type of actuation                                     | Electrical                                                                                 |
| Construction width                                    | 32 mm                                                                                      |
| Standard nominal flow rate (standardised to DIN 1343) | 1050 l/min                                                                                 |
| pneumatic working port                                | Connection pattern to NAMUR                                                                |
| Operating voltage                                     | Via solenoid coil, must be ordered separately                                              |
| Operating pressure                                    | 0.3 MPa ... 0.8 MPa                                                                        |
| Operating pressure                                    | 3 bar ... 8 bar                                                                            |
| Design                                                | Piston gate valve                                                                          |
| Type of reset                                         | Mechanical spring                                                                          |
| Exhaust-air function                                  | Can be throttled                                                                           |
| Sealing principle                                     | Soft                                                                                       |
| Mounting position                                     | Any                                                                                        |
| Conforms to standard                                  | VDI/VDE 3845 (NAMUR)                                                                       |
| Manual override                                       | None                                                                                       |
| Type of piloting                                      | Piloted                                                                                    |
| Pilot air supply                                      | Internal                                                                                   |
| Flow direction                                        | Non-reversible                                                                             |
| Symbol                                                | 00991021                                                                                   |
| lap                                                   | Overlap                                                                                    |
| b value                                               | 0.4                                                                                        |
| C value                                               | 4.4 l/sbar                                                                                 |
| Switching time off                                    | 9 ms                                                                                       |
| Switching time on                                     | 6 ms                                                                                       |
| Switching time reversal                               | 16 ms                                                                                      |
| Duty cycle                                            | 100%                                                                                       |
| Characteristic coil data                              | See solenoid coil, to be ordered separately                                                |
| 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                                        | 428 g                                                                                      |
| Type of mounting                                      | With through-hole                                                                          |

| Feature                      | Value                       |
|------------------------------|-----------------------------|
| Breather connection          | Not ducted                  |
| Pneumatic connection, port 1 | 1/4 NPT                     |
| Pneumatic connection, port 2 | Connection pattern to NAMUR |
| Pneumatic connection, port 3 | 1/4 NPT                     |
| Pneumatic connection, port 4 | Connection pattern to NAMUR |
| Pneumatic connection, port 5 | 1/4 NPT                     |
| Note on materials            | RoHS compliant              |
| Material seals               | NBR                         |
| Material housing             | Wrought aluminium alloy     |
| Material screws              | Galvanised steel            |