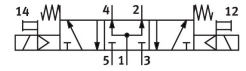
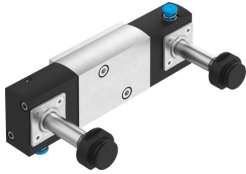


# Air Solenoid valve

## VSNC-F-P53U-MH-N14-F19

Part number: 8116393

**FESTO**



## Data sheet

| Feature                                           | Value                                                              |
|---------------------------------------------------|--------------------------------------------------------------------|
| Valve function                                    | 5/3-way, pressurized                                               |
| Actuation type                                    | Electrical                                                         |
| Width                                             | 32 mm                                                              |
| Normal nominal flow rate (normalized to DIN 1343) | 950 l/min                                                          |
| Pneumatic working port                            | NAMUR connection pattern                                           |
| Operating voltage                                 | Via solenoid coil, to be ordered separately                        |
| Operating pressure                                | 0.3 MPa...0.8 MPa<br>3 bar...8 bar                                 |
| Structural design                                 | Piston gate valve                                                  |
| Reset method                                      | Mechanical spring                                                  |
| Exhaust air function                              | Adjustable                                                         |
| Sealing principle                                 | Soft                                                               |
| Mounting position                                 | Any                                                                |
| Conforms to standard                              | VDI/VDE 3845 (NAMUR)                                               |
| Manual override                                   | Non-detenting                                                      |
| Type of control                                   | Piloted                                                            |
| Pilot air supply port                             | Internal                                                           |
| Flow direction                                    | Non-reversible                                                     |
| Lap                                               | Positive overlap                                                   |
| b-value                                           | 0.5                                                                |
| C value                                           | 2.1 l/sbar                                                         |
| Switching time off                                | 85 ms                                                              |
| On switching time                                 | 24 ms                                                              |
| Changeover time                                   | 60 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          | 619 g                    |
| Type of mounting        | With through-hole        |
| Venting hole connection | Not ducted               |
| Pneumatic connection 1  | 1/4 NPT                  |
| Pneumatic connection 2  | NAMUR connection pattern |
| Pneumatic connection 3  | 1/4 NPT                  |
| Pneumatic connection 4  | NAMUR connection pattern |
| Pneumatic connection 5  | 1/4 NPT                  |
| Note on materials       | RoHS compliant           |
| Seals material          | NBR                      |
| Housing material        | Wrought aluminum alloy   |
| Material of screws      | Galvanized steel         |