

# Solenoid valve VSNC-F-P53E-M-N14-F19A

Part number: 8116411

FESTO



[General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/3 exhausted  |
| Type of actuation                                     | Electric   |
| Construction width                                    | 32 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 1050 l/min   |
| pneumatic working port                                | NAMUR port pattern   |
| 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                                  | With flow control option   |
| Sealing principle                                     | Soft   |
| Mounting position                                     | optional   |
| Conforms to standard                                  | VDI/VDE 3845 (NAMUR)   |
| Manual override                                       | None   |
| Type of piloting                                      | Pilot actuated   |
| Pilot air supply                                      | Internal   |
| Flow direction  | Non-reversible   |
| Symbol  | 00991082   |
| lap   | Overlap  |
| b value   | 0.4  |
| C value   | 4.4 l/sbar   |
| Switching time off                                    | 400 ms   |
| Switching time on                                     | 440 ms   |
| Switching time reversal                               | 400 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  | 619 g  |
| Type of mounting                                      | With through-hole  |

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