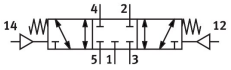
# Solenoid valve
# VSNC-F-P53C-M-N14-P2

Part number: 8114700






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/3-way, closed |
| Type of actuation | Electrical |
| Construction width | 32 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 1250 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<br>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 |
| lap | Overlap |
| b value | 0.4 |
| C value | 5.2 l/sbar |
| Switching time off | 20 ms |
| Switching time on | 5 ms |
| Switching time reversal | 9 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 |

| Feature | Value |
|---|---|
| Ambient temperature | -20 °C...60 °C |
| Product weight | 428 g |
| Type of mounting | With through-hole |
| 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 |