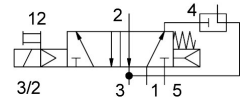
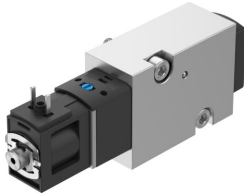


# Solenoid valve VSNC-FK-M32C-RD-G18-1C1-S

Part number: 8166611

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                            | Value                                                              |
|----------------------------------------------------|--------------------------------------------------------------------|
| Valve function                                     | 3/2, closed, monostable                                            |
| Actuation type                                     | Electrical                                                         |
| Width                                              | 25.5 mm                                                            |
| Standard nominal flow rate                         | 400 l/min                                                          |
| Pneumatic working port                             | NAMUR connection diagram                                           |
| Operating voltage                                  | 24V DC                                                             |
| Operating pressure                                 | 0.25 MPa ... 0.8 MPa                                               |
| Operating pressure                                 | 2.5 bar ... 8 bar                                                  |
| Structural design                                  | Piston slide with sealing ring                                     |
| Reset method                                       | Mechanical spring<br>Pneumatic spring                              |
| Degree of protection                               | IP65                                                               |
| Exhaust air function                               | With flow control option                                           |
| Sealing principle                                  | Soft                                                               |
| Mounting position                                  | Any                                                                |
| Conforms to standard                               | VDI/VDE 3845 (NAMUR)                                               |
| Manual override                                    | Detenting                                                          |
| Type of control                                    | Pilot-controlled                                                   |
| Pilot air supply port                              | Internal                                                           |
| Flow direction                                     | Non-reversible                                                     |
| Symbol                                             | 00997362                                                           |
| Lap                                                | Overlap                                                            |
| b-value                                            | 0.3                                                                |
| C value                                            | 2.1 l/sbar                                                         |
| Standard nominal flow rate, exhaust air return 4→3 | 100 l/min                                                          |
| Switching time off                                 | ≤50 ms                                                             |
| On switching time                                  | ≤50 ms                                                             |
| Duty cycle                                         | 100%                                                               |
| Coil characteristics                               | 24 V DC: 2.4 W                                                     |
| 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)                   | 1 - Low corrosion stress                                           |
| LABS (PWIS) conformity                             | VDMA24364 zone III                                                 |
| Storage temperature                                | -20 °C ... 60 °C                                                   |
| Temperature of medium                              | -20 °C ... 50 °C                                                   |
| Ambient temperature                                | -20 °C ... 50 °C                                                   |

| Feature                  | Value                      |
|--------------------------|----------------------------|
| Product weight           | 220 g                      |
| Electrical connection    | Form C                     |
| Type of mounting         | With through-hole          |
| Venting hole connection  | Not ducted                 |
| Pneumatic connection 1   | G1/8                       |
| Pneumatic connection 2   | NAMUR connection diagram   |
| Pneumatic connection 3   | G1/8                       |
| Pneumatic connection 4   | NAMUR connection diagram   |
| Pneumatic connection 5   | G1/8                       |
| Note on materials        | RoHS-compliant             |
| Cover material           | PA-reinforced              |
| Seals material           | NBR                        |
| Housing material         | Wrought aluminum alloy     |
| Manual override material | PA-reinforced              |
| Material of piston       | Wrought aluminum alloy     |
| Material of screws       | High-alloy stainless steel |