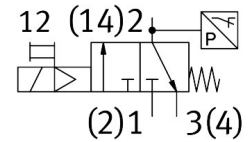
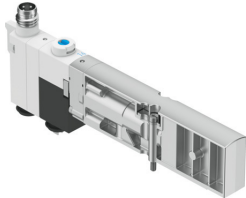


# Solenoid valve VMPA1-M1H-EU-PI

Part number: 8126793

**FESTO**



## Data sheet

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Valve function                           | 3/2-way, closed, monostable                                                          |
| Actuation type                           | Electrical                                                                           |
| Valve size                               | 10 mm                                                                                |
| Pneumatic working port                   | M7                                                                                   |
| Operating voltage                        | 24V DC                                                                               |
| Operating pressure                       | 0.3 MPa...0.8 MPa<br>3 bar...8 bar                                                   |
| Structural design                        | Poppet valve with spring return                                                      |
| Reset method                             | Mechanical spring                                                                    |
| Degree of protection                     | IP65<br>In mounted state<br>As per IEC 60529                                         |
| Sealing principle                        | Soft                                                                                 |
| Mounting position                        | Any                                                                                  |
| Manual override                          | Detenting<br>Non-detenting                                                           |
| Type of control                          | Piloted                                                                              |
| Pilot air supply port                    | External                                                                             |
| Flow direction                           | Non-reversible                                                                       |
| Lap                                      | Negative overlap                                                                     |
| Signal status display                    | Yes                                                                                  |
| Pilot pressure MPa                       | 0.3 MPa...0.8 MPa                                                                    |
| Pilot pressure                           | 3 bar...8 bar                                                                        |
| Suitability for vacuum                   | No                                                                                   |
| Permissible voltage fluctuations         | +/- 25%                                                                              |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                                        |
| Information on operating and pilot media | Operation with oil lubrication not possible                                          |
| Vibration resistance                     | Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 |
| Shock resistance                         | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27                |
| Corrosion resistance class (CRC)         | 1 - Low corrosion stress                                                             |
| LABS (PWIS) conformity                   | VDMA24364 Zone III                                                                   |
| Storage temperature                      | -20 °C...60 °C                                                                       |

| Feature                                   | Value             |
|-------------------------------------------|-------------------|
| Temperature of medium                     | -5 °C...50 °C     |
| Relative air humidity                     | Max. 90% at 40°C  |
| Ambient temperature                       | -5 °C...50 °C     |
| Max. tightening torque for valve mounting | 0.65 Nm           |
| Product weight                            | 32 g              |
| Min. switch-off point                     | 0.05 bar          |
| Switch-on point                           | 0.2 bar           |
| Max. switch-on point                      | 0.3 bar           |
| Type of mounting                          | With through-hole |
| Pilot air port 12/14                      | M7                |
| Pilot exhaust air port 82/84              | M7                |
| Pneumatic connection 1                    | M7                |
| Pneumatic connection 2                    | Internal          |
| Pneumatic connection 3                    | M7                |
| Note on materials                         | RoHS compliant    |
| Seals material                            | HNBR<br>NBR       |
| Housing material                          | Reinforced PPA    |
| Material of screws                        | Coated steel      |