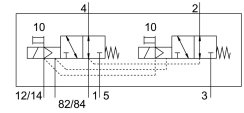
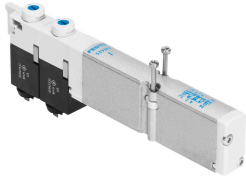


# Solenoid valve VMPA1-M1H-NS-PI

Part number: 556839

FESTO



## Data sheet

| Feature                                | Value  |
|--|--|
| Valve function                         | 2x3/2-way, open, monostable  |
| Type of actuation                      | Electric   |
| Valve size                             | 10 mm  |
| Standard nominal flow rate             | 300 l/min  |
| Operating voltage                      | 24V DC   |
| Operating pressure                     | -0.09 MPa...0.8 MPa<br>-0.9 bar...8 bar  |
| Design                                 | Piston gate valve  |
| Type of reset                          | Mechanical spring  |
| Approval                               | c UL us - Recognized (OL)  |
| Degree of protection                   | IP65<br>To IEC 60529   |
| Sealing principle                      | Soft   |
| Mounting position                      | optional   |
| Manual override                        | Detenting<br>Non-detenting   |
| Type of piloting                       | Pilot actuated   |
| Flow direction                         | Reversible   |
| lap                                    | Positive overlap   |
| Signal status display                  | yes  |
| Pilot pressure                         | 0.3 MPa...0.8 MPa<br>3 bar...8 bar   |
| Suitability for vacuum                 | yes  |
| Standard nominal flow rate with QS-6   | 300 l/min  |
| Switching time off                     | 16 ms  |
| Switching time on                      | 14 ms  |
| Max. positive test pulse with 0 signal | 400 µs   |
| Max. negative test pulse with 1 signal | 200 µs   |
| Permissible voltage fluctuations       | +/- 25%  |
| 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) |

| <b>Feature</b>                            | <b>Value</b>   |
|---|--|
| Vibration resistance                      | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6 |
| Shock resistance                          | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                |
| Corrosion resistance class CRC            | 1 - Low corrosion stress   |
| LABS (PWIS) conformity                    | VDMA24364-B1/B2-L  |
| Storage temperature                       | -20 °C...40 °C   |
| Media temperature                         | -5 °C...50 °C  |
| Relative air humidity                     | Max. 90% at 40°C   |
| Ambient temperature                       | -5 °C...50 °C  |
| Max. tightening torque for valve mounting | 0.25 Nm  |
| Product weight                            | 56 g   |
| Type of mounting                          | With through-hole  |
| Note on materials                         | RoHS-compliant   |
| Material seals                            | NBR  |
| Material housing                          | Die-cast aluminium   |