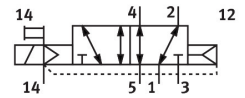
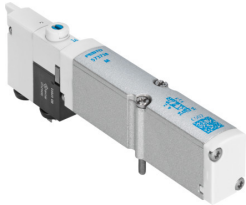


Solenoid valve VMPA14-M1HF-M-PI

Part number: 578806

FESTO



Data sheet

| Feature | Value |
|---|--|
| Valve function | 5/2-way, monostable |
| Type of actuation | Electric |
| Valve size | 14 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 550 l/min...670 l/min |
| Operating voltage | 24V DC |
| Operating pressure | -0.09 MPa...1 MPa -0.9 bar...10 bar |
| Design | Piston gate valve |
| Type of reset | Pneumatic spring |
| Approval | c UL us - Recognized (OL) |
| Degree of protection | IP65 In assembled state To IEC 60529 |
| Sealing principle | Soft |
| Mounting position | optional |
| Manual override | Detenting Non-detenting |
| Type of piloting | Pilot actuated |
| Flow direction | Reversible |
| lap | Overlap |
| Signal status display | yes |
| Pilot pressure | 0.3 MPa...0.8 MPa 3 bar...8 bar |
| Suitability for vacuum | yes |
| Note on standard nominal flow rate | MPA-C: 720 l/min MPA-L: 670 l/min MPA-S: 550 l/min |
| Standard nominal flow rate with QS-8 | 550 l/min...720 l/min |
| Switching time off | 20 ms |
| Switching time on | 13 ms |
| Max. positive test pulse with 0 signal | 400 µs |
| Max. negative test pulse with 1 signal | 200 µs |
| Permissible voltage fluctuations | +/- 25% |

| Feature | Value |
|---|--|
| 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) |
| 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 |
| Suitable for use with food | See supplementary material information |
| Media temperature | -5 °C...50 °C |
| Relative air humidity | Max. 90% at 40°C |
| Ambient temperature | -5 °C...60 °C |
| Max. tightening torque for valve mounting | 0.65 Nm |
| Product weight | 77 g |
| Type of mounting | With through-hole |
| Note on materials | RoHS-compliant |
| Material seals | NBR |
| Material housing | Die-cast aluminium |