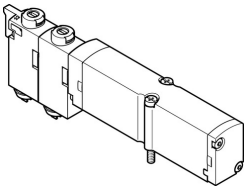
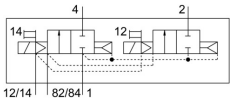
# Air solenoid valve
# VMPA14-M1H-D-PI

Part number: 573727






## Data sheet

| Feature | Value |
|---|---|
| Valve function | 2x2/2 closed, monostable |
| Relative air humidity | Max. 90 % at 40 °C |
| Lap | Overlap |
| Note on standard nominal flow rate | MPA-L: 650 l/min<br>MPA-S: 550 l/min |
| Pilot pressure MPa | 0.3 MPa ... 0.8 MPa |
| Operating pressure | 0.3 MPa ... 1 MPa |
| Actuation type | Electrical |
| Valve size | 14 mm |
| Standard nominal flow rate | 550 l/min ... 650 l/min |
| Operating voltage | 24V DC |
| Operating pressure | 3 bar ... 10 bar |
| Design | Piston gate valve |
| Reset method | Pneumatic spring |
| Degree of protection | IP65<br>In mounted state<br>as per IEC 60529 |
| Certification | c CSA us (OL)<br>c UL us - Recognized (OL) |
| Type code | VMPA14 |
| Sealing principle | Soft |
| Mounting position | Any |
| Manual override | Detenting<br>Non-detenting |
| Type of control | Pilot-controlled |
| Flow direction | Non-reversible |
| Symbol | 00991803 |
| Signal status display | yes |
| Pilot pressure | 3 bar ... 8 bar |
| Suitability for vacuum | no |
| Standard nominal flow rate with QS-8 | 550 l/min ... 650 l/min |
| Switching time off | 26 ms |
| On switching time | 9 ms |
| Max. positive test pulse with 0 signal | 400 µs |
| Max. negative test pulse on 1 signal | 200 µs |
| Permissible voltage fluctuations | +/- 25 % |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |

| Feature | Value |
|---|---|
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| CE marking (see declaration of conformity) | As per EU EMC directive |
| 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 |
| Storage temperature | -20 °C ... 40 °C |
| Temperature of medium | -5 °C ... 50 °C |
| Ambient temperature | -5 °C ... 50 °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 |
| Seals material | NBR |
| Housing material | Die-cast aluminum |