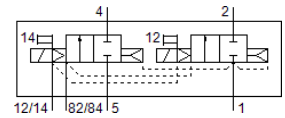
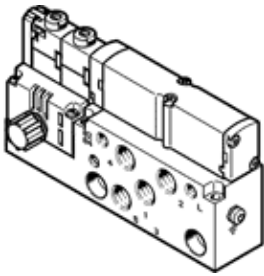


# solenoid valve

## VMPA14-M1H-I-S-G1/8-PI

Part number: 8023570

FESTO



### Data sheet

| Feature                                 | Value  |
|---|--|
| Valve function                          | 2x2/2 closed, monostable   |
| Type of actuation                       | electrical   |
| Valve size                              | 14 mm  |
| Standard nominal flow rate              | 570 l/min  |
| Operating pressure                      | 3 ... 10 bar   |
| Design structure                        | Piston slide   |
| Type of reset                           | Air spring   |
| Authorisation                           | c CSA us (OL)<br>c UL us - Recognized (OL)   |
| CE mark (see declaration of conformity) | to EU directive for EMC  |
| Protection class                        | IP65<br>to IEC 60529   |
| Exhaust-air function                    | throttleable   |
| Sealing principle                       | soft   |
| Assembly position                       | Any  |
| Manual override                         | detenting<br>Pushing   |
| Type of piloting                        | Piloted  |
| Pilot air supply                        | external   |
| Flow direction                          | non reversible   |
| Overlap                                 | Positive overlap   |
| Signal status display                   | Yes  |
| Pilot pressure                          | 3 ... 8 bar  |
| Suitability for vacuum                  | No   |
| Standard nominal flow rate with QS-8    | 570 l/min  |
| Switching time off                      | 25 ms  |
| Switching time on                       | 9 ms   |
| Max. positive test pulse with logic 0   | 400 µs   |
| Max. negative test pulse with logic 1   | 200 µs   |
| Permissible voltage fluctuation         | +/- 25 %   |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                                       |
| Note on operating and pilot medium      | Lubricated operation possible (subsequently required for further operation)                    |
| Vibration resistance                    | Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 |
| Shock resistance                        | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27              |
| Corrosion resistance classification CRC | 1 - Low corrosion stress   |
| Storage temperature                     | -20 ... 40 °C  |
| Medium temperature                      | -5 ... 50 °C   |
| Relative air humidity                   | Max. 90% at 40°C   |
| Ambient temperature                     | -5 ... 50 °C   |
| Max. tightening torque, valve mounting  | 0.65 Nm  |
| Product weight                          | 255 g  |
| Electrical connection                   | 4-pin<br>M8x1  |

| Feature                        | Value                   |
|--------------------------------|-------------------------|
|                                | Plug<br>to EN 60947-5-2 |
| Mounting type                  | with through hole       |
| Auxiliary pilot air port 12/14 | M5                      |
| Pilot exhaust port 82/84       | M5                      |
| Pneumatic connection, port 1   | G1/8                    |
| Pneumatic connection, port 2   | G1/8                    |
| Pneumatic connection, port 3   | G1/8                    |
| Pneumatic connection, port 4   | G1/8                    |
| Pneumatic connection, port 5   | G1/8                    |
| Materials note                 | Conforms to RoHS        |
| Material seals                 | NBR                     |
| Material housing               | Aluminium die cast      |