

# Solenoid valve CPV14-M1H-5JS-1/8

Part number: 161361

FESTO



[PDF General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/2-way, double solenoid   |
| Type of actuation                                     | Electrical   |
| Valve size  | 14 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 800 l/min  |
| pneumatic working port                                | G1/8   |
| Operating voltage                                     | 24 V DC  |
| Operating pressure                                    | -0.09 MPa ... 1 MPa  |
| Operating pressure                                    | -0.9 bar ... 10 bar  |
| Design  | Piston gate valve  |
| Degree of protection                                  | IP65   |
| Nominal size  | 6 mm   |
| Exhaust-air function                                  | Cannot be throttled  |
| Sealing principle                                     | Soft   |
| Mounting position                                     | Any  |
| Manual override                                       | Detenting<br>Non-detenting   |
| Type of piloting                                      | Piloted  |
| Pilot air supply                                      | External<br>Internal   |
| Flow direction  | Non-reversible   |
| Symbol  | 00991683   |
| lap   | Overlap  |
| Pilot pressure  | 0.3 MPa ... 0.8 MPa  |
| Pilot pressure  | 3 bar ... 8 bar  |
| b value   | 0.42   |
| C value   | 3.2 l/sbar   |
| Switching time reversal                               | 12 ms  |
| Duty cycle  | 100% in conjunction with holding current reduction   |
| Electrical power consumption                          | 0.65 W   |
| Max. positive test pulse with 0 signal                | 1400 µs  |
| Max. negative test pulse with 1 signal                | 400 µs   |
| 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                          |

| <b>Feature</b>                    | <b>Value</b>                                       |
|-----------------------------------|--|
| Corrosion resistance class CRC    | 2 - Moderate corrosion stress                      |
| LABS (PWIS) conformity            | VDMA24364-B1/B2-L                                  |
| Storage temperature               | -20 °C ... 40 °C                                   |
| Media temperature                 | -5 °C ... 50 °C                                    |
| Ambient temperature               | -5 °C ... 50 °C                                    |
| Product weight                    | 120 g  |
| Type of mounting                  | With through-hole                                  |
| Pilot air port 12/14              | Common line  |
| Pilot exhaust port 82/84          | Common line  |
| Pneumatic connection, port 1      | Common line  |
| Pneumatic connection, port 2      | G1/8   |
| Pneumatic connection 3/5 combined | Common line  |
| Pneumatic connection, port 4      | G1/8   |
| Note on materials                 | RoHS compliant                                     |
| Material seals                    | HNBR<br>NBR  |
| Material housing                  | Die-cast aluminium<br>Brass<br>POM<br>PPS<br>Steel |