

# Solenoid valve CPVSC1-M1H-K-P

Part number: 527569

FESTO



[General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 3/2-way, single solenoid, closed   |
| Type of actuation                                     | Electrical   |
| Valve size  | 10 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 170 l/min  |
| pneumatic working port                                | Sub-base   |
| Operating voltage                                     | 22 V DC  |
| Operating pressure                                    | -0.09 MPa ... 0.7 MPa  |
| Operating pressure                                    | -0.9 bar ... 7 bar   |
| Design  | Piston gate valve  |
| Type of reset   | Pneumatic spring   |
| Degree of protection                                  | IP40   |
| 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   |
| Flow direction  | Non-reversible   |
| Symbol  | 00991401   |
| lap   | Overlap  |
| Pilot pressure  | 0.3 MPa ... 0.7 MPa  |
| Pilot pressure  | 3 bar ... 7 bar  |
| Switching time off                                    | 10 ms  |
| Switching time on                                     | 10 ms  |
| Max. positive test pulse with 0 signal                | 400 µs   |
| Max. negative test pulse with 1 signal                | 200 µs   |
| Characteristic coil data                              | 22 V DC: 1.0 W   |
| 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-B2-L   |

| <b>Feature</b>                    | <b>Value</b>       |
|-----------------------------------|--------------------|
| Ambient temperature               | -5 °C ... 50 °C    |
| Product weight                    | 30.5 g             |
| Electrical connection             | Plug               |
| Type of mounting                  | With through-hole  |
| Pilot exhaust port 82/84          | Common line        |
| Pneumatic connection, port 1      | Common line        |
| Pneumatic connection, port 2      | Sub-base           |
| Pneumatic connection 3/5 combined | Common line        |
| Pneumatic connection, port 4      | Sub-base           |
| Note on materials                 | RoHS compliant     |
| Material seals                    | NBR                |
| Material housing                  | Die-cast aluminium |