

# Air solenoid valve CPVSC1-M1H-J-P-Q4

Part number: 527563

FESTO



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function                                    | 5/2-way, bistable  |
| Actuation type                                    | Electrical   |
| Valve size  | 10 mm  |
| Normal nominal flow rate (normalized to DIN 1343) | 170 l/min  |
| Pneumatic working port                            | QS-4   |
| Operating voltage                                 | 22V DC   |
| Operating pressure                                | -0.09 MPa ... 0.7 MPa  |
| Operating pressure                                | -0.9 bar ... 7 bar   |
| Structural design                                 | Piston gate valve  |
| Degree of protection                              | IP40   |
| Exhaust air function                              | Cannot be throttled  |
| Sealing principle                                 | Soft   |
| Mounting position                                 | Any  |
| Manual override                                   | Detenting<br>Non-detenting   |
| Type of control                                   | Piloted  |
| Pilot air supply port                             | External   |
| Flow direction                                    | Non-reversible   |
| Symbol  | 00992801   |
| Lap   | Positive overlap   |
| Pilot pressure MPa                                | 0.3 MPa ... 0.7 MPa  |
| Pilot pressure                                    | 3 bar ... 7 bar  |
| Changeover time                                   | 8 ms   |
| Max. positive test pulse with 0 signal            | 400 µs   |
| Max. negative test pulse on 1 signal              | 200 µs   |
| Coil characteristics                              | 22 V DC: 1.0 W   |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [7:4:4]  |
| Information on operating and pilot media          | Operation with oil lubrication possible (required for further use)                   |
| 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   |
| LABS (PWIS) conformity                            | VDMA24364-B2-L   |
| Ambient temperature                               | -5 °C ... 50 °C  |
| Product weight                                    | 56.5 g   |
| Electrical connection                             | Plug   |

| <b>Feature</b>               | <b>Value</b>      |
|------------------------------|-------------------|
| Type of mounting             | With through-hole |
| Pilot exhaust air port 82/84 | Common connection |
| Pneumatic connection 1       | Common connection |
| Pneumatic connection 2       | QS-4              |
| Pneumatic port 3/5 combined  | Common connection |
| Pneumatic connection 4       | QS-4              |
| Note on materials            | RoHS compliant    |
| Seals material               | NBR               |
| Housing material             | Die-cast aluminum |