

# Air solenoid valve CPVSC1-M5H-N-H-Q40

Part number: 547391

**FESTO**



## Data sheet

| Feature                                           | Value                                                                                |
|---------------------------------------------------|--------------------------------------------------------------------------------------|
| Valve function                                    | 3/2-way, monostable, open                                                            |
| 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                                 | 12V DC                                                                               |
| Operating pressure                                | -0.09 MPa...0.7 MPa<br>-0.9 bar...7 bar                                              |
| Structural design                                 | Piston gate valve                                                                    |
| Reset method                                      | Pneumatic spring                                                                     |
| Certification                                     | c UL us - recognized (OL)                                                            |
| Degree of protection                              | IP40                                                                                 |
| Exhaust air function                              | Cannot be throttled                                                                  |
| Sealing principle                                 | Soft                                                                                 |
| Mounting position                                 | Any                                                                                  |
| Manual override                                   | Non-detenting                                                                        |
| Type of control                                   | Piloted                                                                              |
| Pilot air supply port                             | External                                                                             |
| Flow direction                                    | Non-reversible                                                                       |
| Lap                                               | Positive overlap                                                                     |
| Pilot pressure MPa                                | 0.3 MPa...0.7 MPa                                                                    |
| Pilot pressure                                    | 3 bar...7 bar                                                                        |
| Switching time off                                | 10 ms                                                                                |
| On switching time                                 | 10 ms                                                                                |
| Max. positive test pulse with 0 signal            | 500 µs                                                                               |
| Max. negative test pulse on 1 signal              | 400 µs                                                                               |
| Coil characteristics                              | 12 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                |

| Feature                          | Value                    |
|----------------------------------|--------------------------|
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| LABS (PWIS) conformity           | VDMA24364-B2-L           |
| Temperature of medium            | -5 °C...50 °C            |
| Ambient temperature              | -5 °C...50 °C            |
| Product weight                   | 30.5 g                   |
| Electrical connection            | 2-pin<br>Plug            |
| 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        |