

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

Part number: 547376

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| Valve function                           | 3/2, open, monostable                                                                |
| Actuation type                           | Electrical                                                                           |
| Valve size                               | 10 mm                                                                                |
| Standard nominal flow rate               | 170 l/min                                                                            |
| Pneumatic working port                   | QS-4                                                                                 |
| Operating voltage                        | 12V DC                                                                               |
| Operating pressure                       | -0.09 MPa ... 0.7 MPa                                                                |
| Operating pressure                       | -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                     | Without flow control option                                                          |
| Sealing principle                        | Soft                                                                                 |
| Mounting position                        | Any                                                                                  |
| Manual override                          | Non-detenting                                                                        |
| Type of control                          | Pilot-controlled                                                                     |
| Pilot air supply port                    | External                                                                             |
| Flow direction                           | Non-reversible                                                                       |
| Symbol                                   | 00991402                                                                             |
| Lap                                      | 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                |
| Corrosion resistance class (CRC)         | 1 - Low corrosion stress                                                             |
| LABS (PWIS) conformity                   | VDMA24364-B2-L                                                                       |
| Temperature of medium                    | -5 °C ... 50 °C                                                                      |

| Feature                      | Value             |
|------------------------------|-------------------|
| 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 port       |
| Pneumatic connection 1       | Common port       |
| Pneumatic connection 2       | QS-4              |
| Pneumatic port 3/5 combined  | Common port       |
| Pneumatic connection 4       | QS-4              |
| Note on materials            | RoHS-compliant    |
| Seals material               | NBR               |
| Housing material             | Die-cast aluminum |