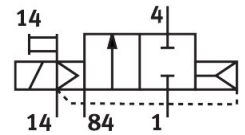


# Solenoid valve CPVSC1-M1HT-D-T-Q3C

Part number: 548040

**FESTO**



General operating condition

## Data sheet

| Feature                                               | Value                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                        | 2/2-way, closed, monostable                                                                |
| Type of actuation                                     | Electric                                                                                   |
| Valve size                                            | 10 mm                                                                                      |
| Standard nominal flow rate (standardised to DIN 1343) | 150 l/min                                                                                  |
| pneumatic working port                                | QS-3                                                                                       |
| Operating voltage                                     | 24V 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                                                                           |
| Approval                                              | c UL us - Recognized (OL)                                                                  |
| Degree of protection                                  | IP40                                                                                       |
| Exhaust-air function                                  | Without flow control option                                                                |
| Sealing principle                                     | Soft                                                                                       |
| Mounting position                                     | optional                                                                                   |
| Manual override                                       | Non-detenting                                                                              |
| Type of piloting                                      | Pilot actuated                                                                             |
| Pilot air supply                                      | External                                                                                   |
| Flow direction                                        | Non-reversible                                                                             |
| Symbol                                                | 00991057                                                                                   |
| 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                | 500 µs                                                                                     |
| Max. negative test pulse with 1 signal                | 400 µs                                                                                     |
| Characteristic coil data                              | 24 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                                                                             |

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