

# Air solenoid valve CPVSC1-M1LH-M-T-Q3

Part number: 547311

FESTO



[General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function                                    | 5/2, monostable  |
| Actuation type                                    | Electrical   |
| Valve size  | 10 mm  |
| Normal nominal flow rate (normalized to DIN 1343) | 170 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   |
| Structural design                                 | Piston gate valve  |
| Reset method                                      | Pneumatic spring   |
| Degree of protection                              | IP40   |
| Exhaust air function                              | Without flow control option  |
| Sealing principle                                 | Soft   |
| Mounting position                                 | Any  |
| Manual override                                   | Detenting<br>Non-detenting   |
| Type of control                                   | Pilot-controlled   |
| Pilot air supply port                             | External   |
| Flow direction                                    | Non-reversible   |
| Symbol  | 00991682   |
| Lap   | Overlap  |
| Signal status display                             | LED  |
| 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  |
| Coil characteristics                              | 24 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  |
| Ambient temperature                               | -5 °C ... 50 °C  |

| <b>Feature</b>               | <b>Value</b>      |
|------------------------------|-------------------|
| Product weight               | 30.5 g            |
| Electrical connection        | Plug              |
| Type of mounting             | With through-hole |
| Pilot exhaust air port 82/84 | Common port       |
| Pneumatic connection 1       | Common port       |
| Pneumatic connection 2       | QS-3              |
| Pneumatic port 3/5 combined  | Common port       |
| Pneumatic connection 4       | QS-3              |
| Note on materials            | RoHS-compliant    |
| Seals material               | NBR               |
| Housing material             | Die-cast aluminum |