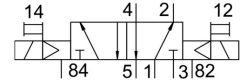


# Air solenoid valve CPE10-M1BH-5J-QS-4

Part number: 196876

**FESTO**



## Data sheet

| Feature                                  | Value  |
|--|--|
| Valve function                           | 5/2, bistable  |
| Actuation type                           | Electrical   |
| Width                                    | 10 mm  |
| Standard nominal flow rate               | 180 l/min  |
| Pneumatic working port                   | QS-4   |
| Operating voltage                        | 24V DC   |
| Operating pressure                       | 0.25 MPa ... 0.8 MPa   |
| Operating pressure                       | 2.5 bar ... 8 bar  |
| Structural design                        | Piston gate valve  |
| Certification                            | c UL us - Recognized (OL)  |
| Maritime classification                  | See certificate  |
| Degree of protection                     | IP65<br>With plug socket<br>as per IEC 60529   |
| Nominal width                            | 4 mm   |
| Exhaust air function                     | With flow control option   |
| Sealing principle                        | Soft   |
| Mounting position                        | Any  |
| Manual override                          | Detenting via accessory<br>Non-detenting   |
| Type of control                          | Pilot-controlled   |
| Pilot air supply port                    | Internal   |
| Flow direction                           | Non-reversible   |
| Symbol                                   | 00991013   |
| Valve position ID                        | Label holder   |
| Lap                                      | Overlap  |
| Changeover time                          | 8 ms   |
| Duty cycle                               | 100% in combination with holding current reduction                                   |
| Max. positive test pulse with 0 signal   | 1200 µs  |
| Max. negative test pulse on 1 signal     | 900 µs   |
| Coil characteristics                     | 24 V DC: 1.28 W  |
| Permissible voltage fluctuations         | -15 % / +10 %  |
| 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) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity           | VDMA24364-B1/B2-L             |
| Temperature of medium            | -5 °C ... 50 °C               |
| Ambient temperature              | -5 °C ... 50 °C               |
| Electrical connection            | 2-pin                         |
| Type of mounting                 | With through-hole             |
| Pilot exhaust air port 82        | M3                            |
| Pilot exhaust air port 84        | M3                            |
| Pilot air port 12                | M3                            |
| Pilot air port 14                | M3                            |
| Pneumatic connection 1           | QS-4                          |
| Pneumatic connection 2           | QS-4                          |
| Pneumatic connection 3           | M7                            |
| Pneumatic connection 4           | QS-4                          |
| Pneumatic connection 5           | M7                            |
| Note on materials                | RoHS-compliant                |
| Seals material                   | NBR                           |
| Housing material                 | Die-cast aluminum             |