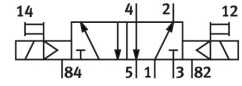


# Air solenoid valve CPE10-M1BH-5J-QS-4

Part number: 196876

**FESTO**



## Data sheet

| Feature                                           | Value                                              |
|---------------------------------------------------|----------------------------------------------------|
| Valve function                                    | 5/2-way, bistable                                  |
| Actuation type                                    | Electrical                                         |
| Width                                             | 10 mm                                              |
| Normal nominal flow rate (normalized to DIN 1343) | 180 l/min                                          |
| Pneumatic working port                            | QS-4                                               |
| Operating voltage                                 | 24V DC                                             |
| Operating pressure                                | 0.25 MPa...0.8 MPa<br>2.5 bar...8 bar              |
| Structural design                                 | Piston gate valve                                  |
| Certification                                     | c UL us - recognized (OL)                          |
| Maritime classification                           | See certificate                                    |
| Certificate issuing authority                     | DNV-TAA000032X<br>UL MH19482                       |
| Degree of protection                              | IP65<br>With plug socket<br>As per IEC 60529       |
| Nominal width                                     | 4 mm                                               |
| Exhaust air function                              | Adjustable                                         |
| Sealing principle                                 | Soft                                               |
| Mounting position                                 | Any                                                |
| Manual override                                   | Detenting via accessory<br>Non-detenting           |
| Type of control                                   | Piloted                                            |
| Pilot air supply port                             | Internal                                           |
| Flow direction                                    | Non-reversible                                     |
| Valve position ID                                 | Label holder                                       |
| Lap                                               | Positive 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%                                        |

| Feature                                  | Value                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------|
| 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)         | 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                                                                    |