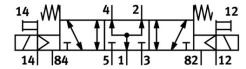
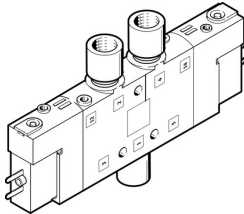


# Solenoid valve CPE10-M1BH-5/3BS-M5-B

Part number: 533164

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                | Value                                              |
|----------------------------------------|----------------------------------------------------|
| Valve function                         | 5/3-way, pressurised                               |
| Type of actuation                      | Electric                                           |
| Construction width                     | 10 mm                                              |
| Standard nominal flow rate             | 180 l/min                                          |
| pneumatic working port                 | M5                                                 |
| Operating voltage                      | 24V DC                                             |
| Operating pressure                     | -0.09 MPa ... 1 MPa                                |
| Operating pressure                     | -0.9 bar ... 10 bar                                |
| Design                                 | Piston gate valve                                  |
| Type of reset                          | Mechanical spring                                  |
| Approval                               | 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>To IEC 60529           |
| Nominal size                           | 4 mm                                               |
| Exhaust-air function                   | With flow control option                           |
| Sealing principle                      | Soft                                               |
| Mounting position                      | optional                                           |
| Manual override                        | Detenting via accessory<br>Non-detenting           |
| Type of piloting                       | Pilot actuated                                     |
| Pilot air supply                       | External                                           |
| Flow direction                         | Reversible                                         |
| Symbol                                 | 00991031                                           |
| Valve position code                    | Inscription label holder                           |
| lap                                    | Overlap                                            |
| Pilot pressure                         | 0.3 MPa ... 0.8 MPa                                |
| Pilot pressure                         | 3 bar ... 8 bar                                    |
| Switching time off                     | 20 ms                                              |
| Switching time on                      | 16 ms                                              |
| Duty cycle                             | 100% in conjunction with holding current reduction |
| Max. positive test pulse with 0 signal | 1200 µs                                            |
| Max. negative test pulse with 1 signal | 900 µs                                             |
| Characteristic coil data               | 24 V DC: 1.28 W                                    |

| Feature                            | Value                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------|
| Permissible voltage fluctuations   | -15%/+10%                                                                                  |
| 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     | 2 - Moderate corrosion stress                                                              |
| LABS (PWIS) conformity             | VDMA24364-B1/B2-L                                                                          |
| Media temperature                  | -5 °C ... 50 °C                                                                            |
| Pilot medium                       | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Ambient temperature                | -5 °C ... 50 °C                                                                            |
| Electrical connection              | 2-pin                                                                                      |
| Type of mounting                   | With through-hole                                                                          |
| Pilot exhaust port 82              | M3                                                                                         |
| Pilot exhaust port 84              | M3                                                                                         |
| Pilot air port 12                  | M3                                                                                         |
| Pilot air port 14                  | M3                                                                                         |
| Pneumatic connection, port 1       | M5                                                                                         |
| Pneumatic connection, port 2       | M5                                                                                         |
| Pneumatic connection, port 3       | M7                                                                                         |
| Pneumatic connection, port 4       | M5                                                                                         |
| Pneumatic connection, port 5       | M7                                                                                         |
| Note on materials                  | RoHS-compliant                                                                             |
| Material seals                     | NBR                                                                                        |
| Material housing                   | Die-cast aluminium                                                                         |