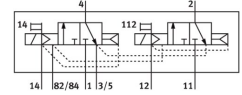
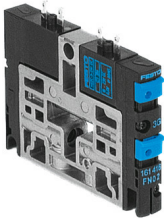


# Solenoid valve CPV10-M1H-2X3-GLS-M7

Part number: 161416

FESTO



 [General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 2x3/2 closed monostable  |
| Type of actuation                                     | Electrical   |
| Valve size  | 10 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 400 l/min  |
| pneumatic working port                                | M7   |
| Operating voltage                                     | 24 V DC  |
| Operating pressure                                    | -0.09 MPa ... 1 MPa  |
| Operating pressure                                    | -0.9 bar ... 10 bar  |
| Design  | Piston gate valve  |
| Type of reset   | Pneumatic spring   |
| Degree of protection                                  | IP65   |
| Nominal size  | 4 mm   |
| Exhaust-air function                                  | Cannot be throttled  |
| Sealing principle                                     | Soft   |
| Mounting position                                     | Any  |
| Manual override                                       | Detenting<br>Non-detenting   |
| Type of piloting                                      | Piloted  |
| Pilot air supply                                      | External<br>Internal   |
| Flow direction  | Non-reversible   |
| Symbol  | 00991808   |
| lap   | Overlap  |
| Pilot pressure  | 0.3 MPa ... 0.8 MPa  |
| Pilot pressure  | 3 bar ... 8 bar  |
| b value   | 0.4  |
| C value   | 1.6 l/sbar   |
| Switching time off                                    | 25 ms  |
| Switching time on                                     | 17 ms  |
| Duty cycle  | 100% in conjunction with holding current reduction   |
| Electrical power consumption                          | 0.46 W   |
| Max. positive test pulse with 0 signal                | 1400 µs  |
| Max. negative test pulse with 1 signal                | 700 µs   |
| 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) |

| Feature                           | Value  |
|-----------------------------------|--|
| Corrosion resistance class CRC    | 2 - Moderate corrosion stress                      |
| LABS (PWIS) conformity            | VDMA24364-B1/B2-L                                  |
| Storage temperature               | -20 °C ... 40 °C                                   |
| Media temperature                 | -5 °C ... 50 °C                                    |
| Ambient temperature               | -5 °C ... 50 °C                                    |
| Product weight                    | 70 g   |
| Type of mounting                  | With through-hole                                  |
| Pilot air port 12/14              | Common line  |
| Pilot exhaust port 82/84          | Common line  |
| Pneumatic connection, port 1      | Common line  |
| Pneumatic connection, port 11     | Common line  |
| Pneumatic connection, port 2      | M7   |
| Pneumatic connection 3/5 combined | Common line  |
| Pneumatic connection, port 4      | M7   |
| Note on materials                 | RoHS compliant                                     |
| Material seals                    | HNBR<br>NBR  |
| Material housing                  | Die-cast aluminium<br>Brass<br>POM<br>PPS<br>Steel |