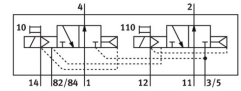


# Solenoid valve CPV10-M1H-2X3-OLS-M7-B-EX

Part number: 550698

**FESTO**



[General operating condition](#)

## Data sheet

| Feature                                               | Value                                              |
|-------------------------------------------------------|----------------------------------------------------|
| Valve function                                        | 2x3/2-way, open, monostable                        |
| Type of actuation                                     | Electric                                           |
| Valve size                                            | 10 mm                                              |
| Standard nominal flow rate (standardised to DIN 1343) | 400 l/min                                          |
| pneumatic working port                                | M7                                                 |
| Operating voltage                                     | 24V DC                                             |
| Operating pressure                                    | 0 MPa ... 1 MPa                                    |
| Operating pressure                                    | 0 bar ... 10 bar                                   |
| Design                                                | Piston gate valve                                  |
| Type of reset                                         | Pneumatic spring                                   |
| Degree of protection                                  | IP50                                               |
| Nominal size                                          | 4 mm                                               |
| Exhaust-air function                                  | Without flow control option                        |
| Sealing principle                                     | Soft                                               |
| Mounting position                                     | optional                                           |
| Manual override                                       | Detenting<br>Non-detenting                         |
| Type of piloting                                      | Pilot actuated                                     |
| Pilot air supply                                      | External<br>Internal                               |
| Flow direction                                        | Non-reversible                                     |
| Symbol                                                | 00991811                                           |
| 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                                    | 37 ms                                              |
| Switching time on                                     | 17 ms                                              |
| Duty cycle                                            | 100% in conjunction with holding current reduction |
| Required current consumption                          | 0.016 A                                            |
| Max. input power P <sub>i</sub>                       | 0.76 W                                             |
| Max. input voltage U <sub>i</sub>                     | 32 V                                               |
| Max. input current I <sub>i</sub>                     | 0.2 A                                              |
| Effective internal inductivity L <sub>i</sub>         | Negligibly low                                     |
| Effective internal capacitance C <sub>i</sub>         | Negligibly low                                     |

| Feature                            | Value                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------|
| 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) |
| 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                   | POM<br>PPS<br>Steel                                                                        |