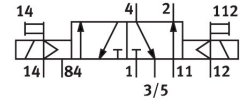


# Air solenoid valve CPV10-M1H-5JS-M7-B-EX

Part number: 550697

**FESTO**



[General operating condition](#)

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Valve function                           | 5/2, bistable                                                      |
| Actuation type                           | Electrical                                                         |
| Valve size                               | 10 mm                                                              |
| Standard nominal flow rate               | 400 l/min                                                          |
| Pneumatic working port                   | M7                                                                 |
| Operating voltage                        | 24V DC                                                             |
| Operating pressure                       | 0 MPa ... 1 MPa                                                    |
| Operating pressure                       | 0 bar ... 10 bar                                                   |
| Structural design                        | Piston gate valve                                                  |
| Degree of protection                     | IP50                                                               |
| Nominal width                            | 4 mm                                                               |
| Exhaust air function                     | Without flow control option                                        |
| Sealing principle                        | Soft                                                               |
| Mounting position                        | Any                                                                |
| Manual override                          | Detenting<br>Non-detenting                                         |
| Type of control                          | Pilot-controlled                                                   |
| Pilot air supply port                    | External<br>Internal                                               |
| Flow direction                           | Non-reversible                                                     |
| Symbol                                   | 00991943                                                           |
| Lap                                      | Overlap                                                            |
| Pilot pressure MPa                       | 0.3 MPa ... 0.8 MPa                                                |
| Pilot pressure                           | 3 bar ... 8 bar                                                    |
| b-value                                  | 0.4                                                                |
| C value                                  | 1.6 l/sbar                                                         |
| Changeover time                          | 10 ms                                                              |
| Duty cycle                               | 100% in combination with holding current reduction                 |
| Required current consumption             | 0.016 A                                                            |
| Max. input power $P_i$                   | 0.76 W                                                             |
| Max. input voltage $V_i$                 | 32 V                                                               |
| Max. input current $I_i$                 | 0.2 A                                                              |
| Effective internal inductance $L_i$      | Negligibly low                                                     |
| Effective internal capacitance $C_i$     | Negligibly low                                                     |
| 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) |

| Feature                          | Value                         |
|----------------------------------|-------------------------------|
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity           | VDMA24364-B1/B2-L             |
| Storage temperature              | -20 °C ... 40 °C              |
| Temperature of medium            | -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 port                   |
| Pilot exhaust air port 82/84     | Common port                   |
| Pneumatic connection 1           | Common port                   |
| Pneumatic connection 11          | Common port                   |
| Pneumatic connection 2           | M7                            |
| Pneumatic port 3/5 combined      | Common port                   |
| Pneumatic connection 4           | M7                            |
| Note on materials                | RoHS-compliant                |
| Seals material                   | HNBR<br>NBR                   |
| Housing material                 | POM<br>PPS<br>Steel           |