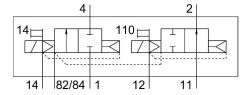
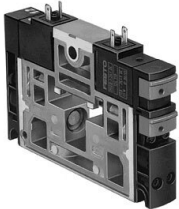


# Air solenoid valve

## CPV18-M1H-2OLS-2GLS-1/4

Part number: 187849

**FESTO**



## Data sheet

| Feature                                           | Value                                         |
|---------------------------------------------------|-----------------------------------------------|
| Valve function                                    | 2x2/2, open/closed, monostable                |
| Actuation type                                    | Electrical                                    |
| Valve size                                        | 18 mm                                         |
| Normal nominal flow rate (normalized to DIN 1343) | 1600 l/min                                    |
| Pneumatic working port                            | G1/4                                          |
| Operating voltage                                 | 24V DC                                        |
| Operating pressure                                | -0.09 MPa...1 MPa<br>-0.9 bar...10 bar        |
| Structural design                                 | Piston gate valve                             |
| Reset method                                      | Pneumatic spring                              |
| Certification                                     | C-Tick                                        |
| Degree of protection                              | IP65                                          |
| Nominal width                                     | 8 mm                                          |
| Exhaust air function                              | Cannot be throttled                           |
| Sealing principle                                 | Soft                                          |
| Mounting position                                 | Any                                           |
| Manual override                                   | Detenting<br>Non-detenting                    |
| Type of control                                   | Piloted                                       |
| Pilot air supply port                             | External<br>Internal                          |
| Flow direction                                    | Non-reversible                                |
| Lap                                               | Positive overlap                              |
| Pilot pressure MPa                                | 0.3 MPa...0.8 MPa                             |
| Pilot pressure                                    | 3 bar...8 bar                                 |
| b-value                                           | 0.41                                          |
| C value                                           | 6.3 l/sbar                                    |
| Switching time off                                | 20 ms                                         |
| On switching time                                 | 14 ms                                         |
| Duty cycle                                        | 100%                                          |
| Electrical power consumption                      | 1.5 W                                         |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [7:4:4] |

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| 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                           | 260 g                                                              |
| Type of mounting                         | With through-hole                                                  |
| Pilot air port 12/14                     | Common connection                                                  |
| Pilot exhaust air port 82/84             | Common connection                                                  |
| Pneumatic connection 1                   | Common connection                                                  |
| Pneumatic connection 11                  | Common connection                                                  |
| Pneumatic connection 2                   | G1/4                                                               |
| Pneumatic port 3/5 combined              | Common connection                                                  |
| Pneumatic connection 4                   | G1/4                                                               |
| Note on materials                        | RoHS compliant                                                     |
| Seals material                           | HNBR<br>NBR                                                        |
| Housing material                         | Die-cast aluminum<br>Brass<br>POM<br>PPS<br>Steel                  |