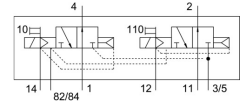
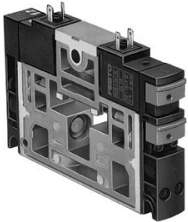


# Air solenoid valve CPV18-M1H-2X3-OLS-1/4

FESTO

Part number: 163188



## Data sheet

| Feature                                  | Value  |
|--|--|
| Valve function                           | 2x3/2, open, monostable  |
| Actuation type                           | Electrical   |
| Valve size                               | 18 mm  |
| Standard nominal flow rate               | 1600 l/min   |
| Pneumatic working port                   | G1/4   |
| Operating voltage                        | 24V DC   |
| Operating pressure                       | -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   |
| Type code                                | CPV18  |
| 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                                   | 00991811   |
| Lap                                      | Overlap  |
| Pilot pressure                           | 3 bar ... 8 bar  |
| b-value                                  | 0.38   |
| C value                                  | 6.3 l/sbar   |
| Switching time off                       | 24 ms  |
| On switching time                        | 18 ms  |
| Duty cycle                               | 100%   |
| Electrical power consumption             | 1.5 W  |
| 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) |
| Corrosion resistance class (CRC)         | 2 - Moderate corrosion stress                                      |
| Storage temperature                      | -20 °C ... 40 °C   |
| Temperature of medium                    | -5 °C ... 50 °C  |

| Feature                      | Value   |
|------------------------------|---|
| Ambient temperature          | -5 °C ... 50 °C                                   |
| Product weight               | 260 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       | G1/4  |
| Pneumatic port 3/5 combined  | Common port                                       |
| 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 |