

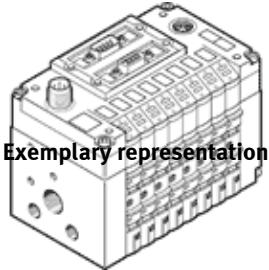
Valve manifold CPV10-VI

Part number: 18200
Classic - do not use for new projects

FESTO

Valve manifold CPV, grid dimension 10 mm.

Modern alternatives can be found by entering the first four characters of the type code in the search field.



Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|---|---|
| Electrical connection | AS-Interface CPI installation system Individual connection Fieldbus Multi-pin plug |
| Electrical I/O system | Yes |
| Valve manifold type | 10 |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Medium temperature | -5 ... 50 °C |
| Ambient temperature | -5 ... 50 °C |
| Storage temperature | -20 ... 40 °C |
| Protection class | IP65 |
| Corrosion resistance classification CRC | 1 - Low corrosion stress 2 - Moderate corrosion stress |
| Vibration resistance | Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 |
| Operating pressure MPa | -0.09 ... 1 MPa |
| Working pressure | -0.9 ... 10 bar |
| Note on working pressure | 0 - 0.8 MPa with external pilot air 0 - 8 bar with external pilot air |
| Pilot pressure MPa | 0.3 ... 0.8 MPa |
| Pilot pressure | 3 ... 8 bar |
| PWIS conformity | VDMA24364-B1/B2-L |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline according to EU-Ex protection guideline (ATEX) in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK EX instructions To UK RoHS instructions |
| KC mark | KC-EMV |
| Authorization | RCM Mark c UL us - Recognized (OL) |
| ATEX category Gas | II 3G |
| Explosion protection certification outside the EU | EPL Gc (GB) NEC 500 Class I, Div. 2 |
| Explosion ignition protection type Gas | Ex ec IIC T4 Gc X |

| Feature | Value |
|-------------------------------------|--|
| Explosion-proof ambient temperature | -5 °C ≤ Ta ≤ +50 °C |
| Materials note | Conforms to RoHS |
| Valve manifold structure | Fixed-grid |
| Max. number of valve positions | 8 |
| Max. no. of valve functions | 16 |
| Max. no. of pressure zones | 2 |
| Type of actuation | electrical |
| Valve function | 2x2/2 closed, monostable 2x2/2 open/closed, monostable 2x3/2 closed, monostable 2x3/2 open, monostable 2x3/2 open/closed, monostable 5/2 bistable 5/2 monostable Vacuum generator Vacuum generator + 2/2 closed, single solenoid |
| Design structure | Piston slide |
| Sealing principle | soft |
| Valve size | 10 mm |
| Pilot air supply | external Internal |
| Max. standard nominal flow rate | 400 l/min at 10 mm |
| Nominal size | 4 mm |
| Suitability for vacuum | Yes |
| Pneumatic connection, port 1 | Common line |
| Pneumatic connection, port 2 | M7 |
| Pneumatic connection, port 3 | Common line |
| Pneumatic connection, port 4 | M7 |
| Auxiliary pilot air port 12/14 | Common line |
| Pilot exhaust port 82/84 | Common line |
| Signal status display | LED |
| Nominal operating voltage DC | 24 V |