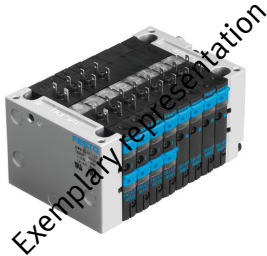


Valve manifold CPV14-VI

Part number: 18210

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|---|--|
| 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, monostable |
| Valve size | 14 mm |
| Max. standard nominal flow rate | 800 l/min at 14 mm |
| Pneumatic working port | G1/8 QS-6 QS-8 QS-1/8 QS-1/4 |
| Operating pressure | -0.09 MPa ... 1 MPa |
| Operating pressure | -0.9 bar ... 10 bar |
| Electrical actuation | AS-Interface CPI installation system Individual connection Fieldbus Multi-pin |
| Max. no. of valve positions | 8 |
| Max. no. of pressure zones | 2 |
| Electrical I/O system | yes |
| Ambient temperature | -5 °C ... 50 °C |
| Degree of protection | IP65 |
| Certification | RCM compliance mark c UL us - Recognized (OL) |
| KC characters | KC EMC |
| CE marking (see declaration of conformity) | As per EU EMC directive as per EU explosion protection directive (ATEX) |
| Explosion protection certification outside the EU | NEC 500 Class I, Div. 2 |
| ATEX category gas | II 3G |
| Type of ignition protection for gas | Ex nA IIC T4 X Gc |
| Explosive ambient temperature | -5°C ≤ Ta ≤ +50°C |
| Nominal width | 6 mm |
| Actuation type | Electrical |
| Sealing principle | Soft |

| Feature | Value |
|--|--|
| Valve terminal type | 10 |
| Structural design | Piston gate valve |
| Max. no. of valve functions | 16 |
| Pilot air supply port | External Internal |
| Valve manifold design | Fixed grid |
| Signal status display | LED |
| Information on operating pressure | 0 - 0.8 MPa with ext. pilot air 0 - 8 bar with external pilot air |
| Pilot pressure MPa | 0.3 MPa ... 8 MPa |
| Pilot pressure | 3 bar ... 80 bar |
| Suitability for vacuum | yes |
| Nominal operating voltage DC | 24 V |
| Explosion prevention and protection | Zone 2 (ATEX) Class I, Div. 2 (US) |
| 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) | 1 - Low corrosion stress 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | -20 °C ... 40 °C |
| Temperature of medium | -5 °C ... 50 °C |
| Pilot air port 12/14 | Common port |
| Pilot exhaust air port 82/84 | Common port |
| Pneumatic connection 1 | Common port |
| Pneumatic connection 2 | G1/8 |
| Pneumatic connection 3 | Common port |
| Pneumatic connection 4 | G1/8 |
| Note on materials | RoHS-compliant |