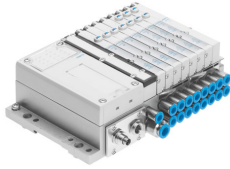


Valve terminal MPA-CPI-VI

Part number: 546280

FESTO



Data sheet

| Feature | Value |
|---|--|
| Electrical control | Fieldbus |
| Electrical I/O system | no |
| Terminal type | 32 |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Media temperature | -5 °C...50 °C |
| Ambient temperature | -5 °C...50 °C |
| Storage temperature | -20 °C...40 °C |
| Relative air humidity | Max. 90% at 40°C |
| Degree of protection | IP67 |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| Operating pressure | -0.09 MPa...1 MPa -0.9 bar...10 bar |
| Pilot pressure | 0.3 MPa...0.8 MPa 3 bar...8 bar |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| CE mark (see declaration of conformity) | To EU EMC Directive To EU Explosion Protection Directive (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 |
| Approval | RCM trademark c UL us - Recognized (OL) |
| Explosion protection | Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (UKEX) |
| ATEX category gas | II 3G |
| Explosion protection certification outside the EU | EPL Db (GB) EPL Gb (GB) |
| Explosion ignition protection type for gas | Ex ec IIC T4 Gc X |
| Explosion ambient temperature | -5 °C <= Ta <= +50 °C |

| Feature | Value |
|----------------------------------|--|
| Note on materials | RoHS-compliant |
| Valve terminal structure | Modular, valve sizes can be mixed |
| Max. number of valve positions | 32 |
| Max. number of pressure zones | 9 |
| Type of actuation | Electric |
| Valve function | 2/2-way, closed, monostable 2x3/2-way, monostable, closed 2x3/2-way, open, monostable 2x3/2-way, open/closed, monostable 3/2-way, closed, monostable 3/2 open, single solenoid 5/2 double solenoid 5/2-way, monostable 5/3-way, pressurised 5/3 exhausted 5/3 closed |
| Design | Piston gate valve Poppet valve with spring return |
| Valve size | 10 mm 14 mm 20 mm |
| Pilot air supply | External Internal |
| Max. standard nominal flow rate | 360 l/min at 10 mm 550 l/min at 14 mm 700 l/min at 20 mm |
| Suitability for vacuum | yes |
| Flat silencer | on one side |
| pneumatic working port | M7 G1/8 QS-4 QS-6 QS-8 QS-3/16 QS-1/4 QS-5/16 |
| Signal status display | LED |
| Nominal operating voltage DC | 24 V |
| Permissible voltage fluctuations | +/- 25% |