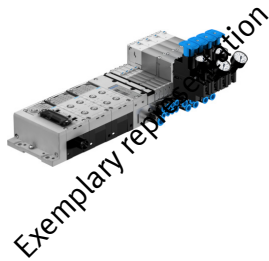


# Valve manifold MPA-FB-VI

Part number: 530411

FESTO



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                         | Value   |
|---------------------------------|---|
| Valve function                  | 3-way proportional pressure control valve<br>5/2, bistable<br>2x3/2, open/closed, monostable<br>3/2, open, monostable<br>5/3, pressurized<br>2x3/2, closed, monostable<br>2/2, closed, monostable<br>5/3, closed<br>3/2, closed, monostable<br>2x3/2, open, monostable<br>5/2, monostable<br>5/3, exhausted |
| KC characters                   | KC EMC  |
| Valve size                      | 14 mm<br>10 mm<br>20 mm   |
| Max. standard nominal flow rate | 360 l/min at 10 mm<br>700 l/min at 20 mm<br>550 l/min at 14 mm  |
| Pneumatic working port          | QS-4<br>QS-1/4<br>QS-8<br>QS-5/16<br>M7<br>QS-6<br>G1/8<br>QS-3/16  |
| Operating pressure              | -0.9 bar ... 10 bar   |
| Electrical actuation            | Fieldbus  |
| Max. no. of valve positions     | 64  |
| Max. no. of pressure zones      | 17  |
| Electrical I/O system           | yes   |
| Ambient temperature             | -5 °C ... 50 °C   |
| Degree of protection            | IP67  |
| Certification                   | RCM compliance mark<br>c UL us - Recognized (OL)  |
| Type code                       | MPA   |
| Actuation type                  | Electrical  |
| Flat plate silencer             | At one end  |
| Valve terminal type             | 32  |

| Feature   | Value  |
|---|--|
| Design  | Piston gate valve<br>Poppet valve with return spring                       |
| Pilot air supply port                             | External<br>Internal   |
| Valve manifold design                             | Modular, pneumatic valve sizes can be mixed                                |
| Signal status display                             | LED  |
| Suitability for vacuum                            | yes  |
| Nominal operating voltage DC                      | 24 V   |
| Permissible voltage fluctuations                  | +/- 25 %   |
| ATEX category gas                                 | II 3G  |
| Type of ignition protection for gas               | Ex nA IIC T4 Gc  |
| Explosion protection certification outside the EU | EPL Gc (BR)  |
| Explosive ambient temperature                     | -5°C ≤ Ta ≤ +50°C  |
| Certificate issuing authority                     | DNV 15.0193 X  |
| Explosion prevention and protection               | Zone 2 (ATEX)<br>Zone 2 (BR)   |
| 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)         |
| CE marking (see declaration of conformity)        | As per EU EMC directive<br>as per EU explosion protection directive (ATEX) |
| Corrosion resistance class (CRC)                  | 1 - Low corrosion stress   |
| Storage temperature                               | -20 °C ... 40 °C   |
| Temperature of medium                             | -5 °C ... 50 °C  |
| Relative air humidity                             | Max. 90 % at 40 °C   |
| Note on materials                                 | RoHS-compliant   |