

Valve manifold MPA-FB-VI

Part number: 530411

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Electrical actuation	Fieldbus
Electrical I/O system	yes
Valve terminal type	32
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)
Temperature of medium	-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)	1 - Low corrosion stress
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Pilot pressure MPa	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 8 bar
LABS (PWIS) conformity	VDMA24364-B1/B2-L
CE marking (see declaration of conformity)	As per EU EMC directive as per EU explosion protection directive (ATEX) As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
KC characters	KC EMC
Certification	RCM compliance mark c UL us - Recognized (OL)
Explosion prevention and 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)
Type of ignition protection for gas	Ex ec IIC T4 Gc X
Explosive ambient temperature	-5°C ≤ Ta ≤ +50°C
Certificate issuing authority	MH19482
Note on materials	RoHS-compliant
Valve manifold design	Modular, pneumatic valve sizes can be mixed
Max. no. of valve positions	64
Max. no. of pressure zones	17

Feature	Value
Actuation type	Electrical
Valve function	2/2, closed, monostable 2x3/2, closed, monostable 2x3/2, open, monostable 2x3/2, open/closed, monostable 3-way proportional pressure control valve 3/2, closed, monostable 3/2, open, monostable 5/2, bistable 5/2, monostable 5/3, pressurized 5/3, exhausted 5/3, closed
Structural design	Piston gate valve Poppet valve with return spring
Valve size	14 mm
Pilot air supply port	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 plate silencer	At one end
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 %