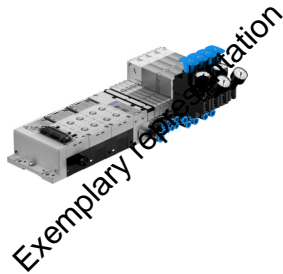


Valve manifold MPA-FB-VI

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 5/2, bistable 2x3/2, open/closed, monostable 3/2, open, monostable 5/3, pressurized 2x3/2, closed, monostable 2/2, closed, monostable 5/3, closed 3/2, closed, monostable 2x3/2, open, monostable 5/2, monostable 5/3, exhausted
KC characters	KC EMC
Valve size	10 mm 14 mm 20 mm
Max. standard nominal flow rate	360 l/min at 10 mm 700 l/min at 20 mm 550 l/min at 14 mm
Pneumatic working port	QS-1/4 QS-4 QS-8 QS-5/16 M7 QS-6 G1/8 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	c UL us - Recognized (OL) RCM compliance mark
Type code	MPA
Actuation type	Electrical
Flat plate silencer	At one end
Valve terminal type	32

Feature	Value
Design	Piston gate valve Poppet valve with return spring
Pilot air supply port	External 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 (BR) Zone 2 (ATEX)
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 explosion protection directive (ATEX) As per EU EMC directive
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