

Valve manifold

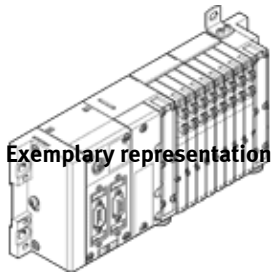
MPA-FB-VI

Part number: 530411

★ Core product range

Valve manifold MPA with fieldbus connection.

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Electrical connection	Fieldbus
Electrical I/O system	Yes
Valve manifold type	32
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Medium temperature	-5 ... 50 °C
Ambient temperature	-5 ... 50 °C
Storage temperature	-20 ... 40 °C
Relative air humidity	Max. 90% at 40°C
Protection class	IP67
Corrosion resistance classification CRC	1 - Low corrosion stress
Operating pressure MPa	-0.09 ... 1 MPa
Working pressure	-0.9 ... 10 bar
Pilot pressure MPa	0.3 ... 0.8 MPa
Pilot pressure	3 ... 8 bar
PWIS conformity	VDMA24364-B1/B2-L
CE symbol (see declaration of conformity)	according to EU-EMV guideline according to EU-Ex protection guideline (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
Authorization	RCM Mark c UL us - Recognized (OL)
ATEX category Gas	II 3G
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Explosion ignition protection type Gas	Ex ec IIC T4 Gc X
Explosion-proof ambient temperature	-5 °C ≤ Ta ≤ +50 °C
Certificate issuing department	DNV 15.0193 X
Materials note	Conforms to RoHS
Valve manifold structure	Modular, valve sizes can be mixed
Max. number of valve positions	64
Max. no. of pressure zones	17
Type of actuation	electrical
Valve function	2/2 closed, monostable 2x3/2 closed, monostable 2x3/2 open, monostable 2x3/2 open/closed, monostable 3-way proportional-pressure regulator

Feature	Value
	3/2 closed, monostable 3/2 open, monostable 5/2 bistable 5/2 monostable 5/3 pressurized 5/3 exhausted 5/3 closed
Design structure	Piston slide 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	at one end
Signal status display	LED
Nominal operating voltage DC	24 V
Permissible voltage fluctuation	+/- 25 %