

Valve terminal MPA-FB-VI

Part number: 530411

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Electrical control	Fieldbus
Electrical I/O system	Yes
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	1 - Low corrosion stress
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Pilot pressure	0.3 MPa ... 0.8 MPa
Pilot pressure	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 RoHS instructions
KC mark	KC-EMV
Approval	RCM c UL us - Recognised (Oil)
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
Certificate issuing authority	MH19482
Note on materials	RoHS compliant
Valve terminal structure	Modular, valve sizes can be mixed
Max. number of valve positions	64
Max. number of pressure zones	17

Feature	Value
Type of actuation	Electrical
Valve function	2/2-way, single solenoid, closed 2x3/2 closed monostable 2x3/2 open monostable 2x3/2-way, open/closed, monostable 3-way proportional pressure regulator 3/2-way, single solenoid, closed 3/2-way, single solenoid, open 5/2-way, double solenoid 5/2-way, single solenoid 5/3-way, pressurised 5/3 exhausted 5/3-way, closed
Design	Piston gate valve Poppet valve with spring return
Valve size	14 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
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%