

Valve terminal MPAC-VI

Part number: 575465

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Electrical control	I-Port IO-Link® Multi-pin
Electrical I/O system	No
Terminal type	35
Grid dimension	26.8 mm
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 ... 60 °C
Storage temperature	-20 °C ... 40 °C
Degree of protection	IP65 IP67 IP69K
Corrosion resistance class CRC	4 - Very high corrosion stress
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Operating pressure	-0.09 MPa ... 0.8 MPa
Operating pressure	-0.9 bar ... 8 bar
Pilot pressure	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 8 bar
Operating pressure for valve terminal with internal pilot air supply	0.3 MPa ... 0.8 MPa
Operating pressure for valve terminal with internal pilot air supply	3 bar ... 8 bar
Operating pressure for valve terminal with internal pilot air supply	43.5 psi ... 116 psi
LABS (PWIS) conformity	VDMA24364-B2-L
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
KC mark	KC-EMV
Approval	RCM UL – Recognized (OL)
Suitable for use with food	See supplementary material information
Note on materials	RoHS compliant
Material seals	EPDM
Valve terminal structure	Modular and expandable

Feature	Value
Max. number of valve positions	32
Max. number of pressure zones	32
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 3/2-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
Type of piloting	Electrical
Valve size	14 mm
Pilot air supply	External Internal
Max. standard nominal flow rate	780 l/min at 14 mm
Suitability for vacuum	Yes
Pneumatic connection, port 1	G1/4 G3/8
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4 G3/8
Pneumatic connection, port 4	G1/4
Pilot air port 12/14	G1/8
Pilot exhaust port 82/84	G1/8
Signal status display	LED
Nominal operating voltage DC	24 V
Permissible voltage fluctuations	+/-25%
Nominal pick-up current per solenoid coil	50 mA to 20 ms
Nominal current with current reduction	10 mA after 20 ms