

# Valve terminal MPAC-VI

Part number: 575465

**FESTO**



## Data sheet

Feature	Value
Electrical control	I-Port IO-Link® Multi-pin plug
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 -0.9 bar...8 bar
Pilot pressure	0.3 MPa...0.8 MPa 3 bar...8 bar
Operating pressure for valve terminal with internal pilot air supply	0.3 MPa...0.8 MPa 3 bar...8 bar 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 instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Approval	RCM trademark UL - Recognized (OL)
Suitable for use with food	See supplementary material information

Feature	Value
Note on materials	RoHS-compliant
Material seals	EPDM
Valve terminal structure	Modular and expandable
Max. number of valve positions	32
Max. number of pressure zones	32
Type of actuation	Electric
Valve function	2/2-way, closed, monostable 2x3/2-way, monostable, closed 2x3/2-way, open, monostable 2x3/2-way, open/closed, monostable 3/2-way, closed, monostable 3/2 open, single solenoid 5/2 double solenoid 5/2-way, monostable 5/3-way, pressurised 5/3 exhausted 5/3 closed
Design	Piston gate valve
Type of piloting	Electric
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 up to 20 ms
Nominal current with current reduction	10 mA after 20 ms