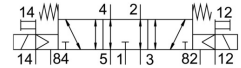
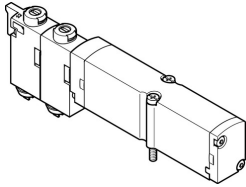


Solenoid valve VMPA14-M1HF-E-PI

Part number: 578808

FESTO



Data sheet

Feature	Value
Valve function	5/3 exhausted
Type of actuation	Electric
Valve size	14 mm
Standard nominal flow rate	420 l/min ... 480 l/min
Operating voltage	24 V DC
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Design	Piston gate valve
Type of reset	Mechanical spring
Approval	c UL us - Recognized (OL)
CE mark (see declaration of conformity)	To EU EMC Directive
Degree of protection	IP65 In assembled state To IEC 60529
Short type code	VMPA14
Sealing principle	Soft
Mounting position	optional
Manual override	Detenting Non-detenting
Type of piloting	Pilot actuated
Flow direction	Reversible
Symbol	00991032
lap	Positive overlap
Signal status display	yes
Pilot pressure	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 8 bar
Suitability for vacuum	yes
Note on standard nominal flow rate	MPA-L: 480 l/min MPA-S: 420 l/min
Standard nominal flow rate with QS-8	420 l/min ... 480 l/min
Switching time off	40 ms
Switching time on	12 ms
Switching time reversal	18 ms
Max. positive test pulse with 0 signal	400 µs
Max. negative test pulse with 1 signal	200 µs
Permissible voltage fluctuations	+/- 25%
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]

Feature	Value
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
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
Corrosion resistance class CRC	1 - Low corrosion stress
Storage temperature	-20 °C ... 40 °C
Suitable for use with food	See supplementary material information
Media temperature	-5 °C ... 50 °C
Relative air humidity	Max. 90% at 40°C
Ambient temperature	-5 °C ... 60 °C
Max. tightening torque for valve mounting	0.65 Nm
Product weight	77 g
Type of mounting	With through-hole
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium