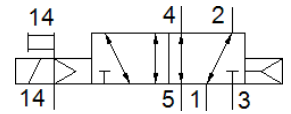
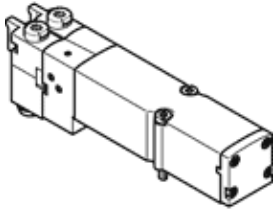


# Solenoid valve

## VMPA2-M1BH-M-PI

Part number: 8022034

FESTO



## Data sheet

Feature	Value
Valve function	5/2 monostable
Type of actuation	electrical
Valve size	20 mm
Standard nominal flow rate	900 l/min
Working pressure	-0.9 ... 10 bar
Design structure	Piston slide
Type of reset	Air spring
Protection class	IP65 to IEC 60529
Authorization	c UL us - Recognized (OL)
Sealing principle	soft
Assembly position	Any
Manual override	detenting Pushing
Type of piloting	Piloted
Flow direction	reversible
Freedom from overlap	Yes
Signal status display	Yes
Pilot pressure	3 ... 8 bar
Suitability for vacuum	Yes
Standard nominal flow with QS-10	870 l/min
Switching time off	28 ms
Switching time on	15 ms
Max. positive test pulse with logic 0	400 µs
Max. negative test pulse with logic 1	900 µs
Permissible voltage fluctuation	+/- 25 %
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)
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	1 - Low corrosion stress
Storage temperature	-20 ... 40 °C
Medium temperature	-5 ... 50 °C
Relative air humidity	Max. 90% at 40 °C
Ambient temperature	-5 ... 50 °C
Max. tightening torque, valve mounting	0.65 Nm
Product weight	100 g
Mounting type	with through hole
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminum die cast