solenoid valve
VMPA14-M1H-HS-G1/8-PI
Part number: 8023558

FESTO
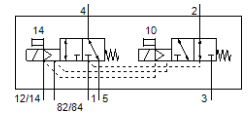
Data sheet

Feature	Value
Valve function	2x3/2 open/closed, monostable
Type of actuation	electrical
Valve size	14 mm
Standard nominal flow rate	460 l/min
Operating pressure	3 ... 8 bar
Design structure	Piston slide
Type of reset	mechanical spring
Authorisation	c CSA us (OL)
	c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
Protection class	IP65
	to IEC 60529
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	detenting
	Pushing
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	non reversible
Overlap	Positive overlap
Signal status display	Yes
Pilot pressure	3 ... 8 bar
Suitability for vacuum	No
Standard nominal flow rate with QS-8	550 l/min
Switching time off	23 ms
Switching time on	12 ms
Max. positive test pulse with logic 0	400 µs
Max. negative test pulse with logic 1	200 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	255 g
Electrical connection	4-pin
	M8x1

Feature	Value
	Plug
	to EN 60947-5-2
Mounting type	with through hole
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	G1/8
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminium die cast