

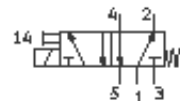
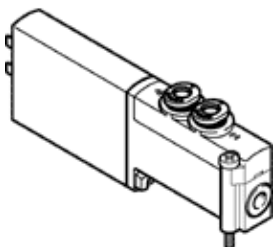
# Solenoid valve

## MHP2-MS1H-5/2-QS-4

Part number: 525109

FESTO

semi in-line valve for individual and battery mounting, fast switching, with manual override.



## Data sheet

Feature	Value
Valve function	5/2 monostable
Type of actuation	electrical
Standard nominal flow rate	100 l/min
Pneumatic connection, port 2	QS-4
Pneumatic connection, port 4	QS-4
Operating pressure	-0.9 ... 8 bar
Design structure	Pressure-relieved poppet valve
Type of reset	mechanical spring
Protection class	IP65
Authorisation	c UL us - Recognized (OL)
Nominal size	2 mm
Grid dimension	14 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	resetting
Type of piloting	direct
Flow direction	reversible
Maximum switching frequency	300 Hz
Switching time off	1.7 ms
Switching time on	1.9 ms
Response time tolerance as of 1 HZ	0.2 ms
Duty cycle	100%
Characteristic coil data	24V DC: NS1,625W,HS6,5W
Permissible voltage fluctuation	+/- 10 %
Operating medium	Filtered, unlubricated compressed air, 40 µm filtration Filtered, lubricated compressed air, 40 µm filtration
CE Symbol	according to EU-EMV guideline
Restriction ambient and medium temperature	related to switching frequency
Corrosion resistance classification CRC	2
Medium temperature	-5 ... 40 °C
Ambient temperature	-5 ... 40 °C
Max. tightening torque, valve mounting	0.4 Nm
Product weight	65 g
Electrical connection	Plug 2-pin
Mounting type	On PR manifold
Pneumatic connection, port 1	Sub-base
Pneumatic connection, port 3	Sub-base
Pneumatic connection, port 5	Sub-base
Materials note	Free of copper and PTFE
Materials information for seals	HNBR

Feature	Value
	NBR
Materials information, housing	Zinc die-casting coated
Screw material data	Steel Galvanised