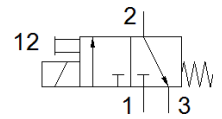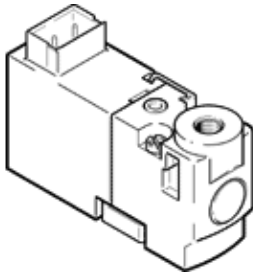# solenoid valve
MHP1-M5H-3/2G-M3-TC
Part number: 197013

FESTO

Semi in-line valve for individual and manifold mounting, very compact,
with plug connector on top

Data sheet

Feature	Value
Valve function	3/2 closed, monostable
Type of actuation	electrical
Width	10 mm
Standard nominal flow rate	10 l/min
Operating pressure	0 ... 0.8 MPa
Design structure	Poppet valve with spring return
Type of reset	mechanical spring
Protection class	IP40
Authorisation	c UL us - Recognized (OL)
Certificate issuing department	UL MH19482
Nominal size	0.65 mm
Grid dimension	10 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	Pushing
Type of piloting	direct
Flow direction	non reversible
Valve position identification	Label
Overlap	Underlap
Note on forced dynamisation	Switching frequency at least once a week
Maximum switching frequency	20 Hz
Switching time off	4 ms
Switching time on	4 ms
Duty cycle	100 %
Electrical power consumption	1 W
Characteristic coil data	12 V DC: 1 W
Permissible voltage fluctuation	+/- 10 %
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	2 - Moderate corrosion stress
Storage temperature	-20 ... 60 °C
Medium temperature	-5 ... 40 °C
Ambient temperature	-5 ... 40 °C
Product weight	10 g
Electrical connection	Plug
Mounting type	On sub-base with through hole

Feature	Value
Pneumatic connection, port 1	Sub-base
Pneumatic connection, port 2	M3
Pneumatic connection, port 3	Sub-base
Materials note	Free of copper and PTFE
	Conforms to RoHS
Material seals	FPM
	HNBR
	NBR
Material housing	PA-reinforced
	PPS-reinforced