

Solenoid Valve MHA1-M4H-2/2G-0,9-PI - Festo 197042

Item no. FES-197042

Manufacturer Festo

EAN 4052568081683

Festo valve for fast, reliable control of compressed-air direction and flow.

TECHNICAL DATA

Actuation type	Electrical
Betriebsdruck max [bar]	2.000000
Corrosion resistance class CRC	2 - moderate corrosion stress
Design	Poppet valve with reset spring
Dichtmaterial	FKM, HNBR, NBR
Durchfluss [l/min]	14
Funktion	2/2 closed monostable
HS-Code	84812090
Material	Polyamide (PA)
Medium	Compressed air
Mounting position	arbitrary
Nennweite DN [mm]	0,9
Protection rating	IP40
Series	MHA1
Temperature (max.)	40
Weight	0.021 kg



STANDARDS & COMPLIANCE

ISO 8573-1:2010 EN 60068-2-6 EN 60068-2-27

DESCRIPTION

Festo valve for fast, reliable control of compressed-air direction and flow. The key technical data of this genuine Festo article are listed below.

Valve function	2/2 closed monostable
Actuation type	Electrical
Build.width [mm]	10
Normal nominal flow [l/min]	14
Operating pressure [bar]	-0.9 to 2
Construction set up	Poppet valve with reset spring
Reset mode	Mechanical spring
Protection category	IP40
Permission	c UL us - Recognized (OL)

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Certified awarding point	UL MH19482
Nominal width [mm]	0,90
Pitch dimension [mm]	10
Exhaust function	Cannot be throttled
Sealing principle	Soft
installation position	arbitrary
Hand assist actuation	tentative
Control type	Direct
Flow direction	Not reversible
Valve space - labelling	Sign
Überdeckung	negative Überdeckung
Information about force dynamic sampling	Switching frequency at least 1x per week
Max. switching frequency [Hz]	20
Shifting time off [ms]	5
Shifting time on [ms]	4
Power-on time	100 %
Electrical power consumption [W]	1,0
Coil characteristic value	5 V DC: 1 W
Permitted voltage oscillations	± 10 %
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Information about operating and control medium	Oiled operation possible (required in further operations)
Oscillation strength	Transport use test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with degree of severity 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistant class KBK	2 - moderate corrosion stress
Bearing temperature [°C]	-20 to 60
Medium temperature [°C]	-5 to 40
ambient temperature [°C]	-5 to 40
Product weight [g]	10,0
Electrical connection	Plug
Fastening type	on connection plate With throughway bores
Pneumatic connection 1	Connection plate
Pneumatic connection 2	Connection plate
Material information	Copper and PTFE-free RoHs compliant
Seals material	FKM HNBR NBR

Housing material	PA reinforced PPS reinforced
Vacuum capable	yes