

Solenoid Valve MHA2-MS1H-3/2O-2 - Festo 196139

Item no. FES-196139

Manufacturer Festo

EAN 4052568159238

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

TECHNICAL DATA

Actuation type	Electrical
Betriebsdruck max [bar]	8.000000
Corrosion resistance class CRC	2 - moderate corrosion stress
Design	Pressure-relieved poppet valve
Dichtmaterial	HNBR, NBR
Durchfluss [l/min]	100
Funktion	3/2 open monostable
HS-Code	84812090
Material	Die-cast zinc
Medium	Compressed air
Mounting position	arbitrary
Nennweite DN [mm]	2
Protection rating	IP65
Series	MHA2
Temperature (max.)	40
Weight	0.07 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	3/2 open monostable
Actuation type	Electrical
Build.width [mm]	10
Normal nominal flow [l/min]	100
Operating pressure [bar]	-0.9 to 8
Construction set up	Pressure-relieved poppet valve
Reset mode	Mechanical spring
Protection category	IP65
Permission	RCM mark c UL us - Recognized (OL)

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Page 1/3

Nominal width [mm]	2
Pitch dimension [mm]	14
Exhaust function	Can be throttled
Sealing principle	Soft
installation position	arbitrary
Hand assist actuation	tentative
Control type	Direct
Flow direction	Reversible with limitations
Überdeckung	negative Überdeckung
Operating pressure reversible [bar]	-0.9 to 1
Max. switching frequency [Hz]	330
Shifting time off [ms]	2,0
Shifting time on [ms]	1,7
Power-on time	100 %
Coil characteristic value	24 V DC: Low current phase 1.25 W, high current phase 5 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
Medium temperature [°C]	-5 to 40
ambient temperature [°C]	-5 to 40
Product weight [g]	60
Electrical connection	2 pin Plug
Fastening type	on connection plate
Pneumatic connection 2	Connection plate
Material information	Copper and PTFE-free RoHs compliant
Seals material	HNBR NBR
Housing material	Coated Zinc pressure cast
Screws material	Steel zinc plating
KC-mark	KC-EMV
CE certificate (see declaration of conformity)	to EU EMC directive

Reverse polarity protection	Bipolar
Additional functions	Spark suppression Holding current reduction protection circuit
Tolerance shifting time off	+10 %/-30 %
Tolerance shifting time on	+10%/-30%
Shifting time scatter from 1 Hz [ms]	0,2
Limits ambient and media temperature	Depending on the switching frequency
Pneumatic connection 11	Connection plate
Pneumatic connection 33	Connection plate