

Solenoid valve

MHA3-MS1H-3/20-3-K

Part number: 525157

FESTO

individual valve, fast switching, with cable.



Data sheet

Feature	Value
Valve function	3/2 open, monostable
Type of actuation	electrical
Width	14 mm
Standard nominal flow rate	200 l/min
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	3 mm
Grid dimension	19 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	Pushing
Type of piloting	direct
Flow direction	reversible with restrictions
Operating pressure, reversible	-0.9 ... 0 bar
Maximum switching frequency	280 Hz
Switching time off	2.8 ms
Switching time on	2.3 ms
Tolerance for Switching time OFF	+10%/-50%
Tolerance for Switching time ON	+10%/-30%
Measuring of the switching time at 1 Hz and above	0.2 ms
Duty cycle	100%
Characteristic coil data	24 V DC: low current phase: 1.6 W, high current phase: 6.5 W
Permissible voltage fluctuation	+/- 10 %
Operating medium	Filtered, unlubricated compressed air, 40 µm filtration Filtered, lubricated compressed air, 40 µm filtration
CE mark (see declaration of conformity)	to EU directive for EMC
Restriction ambient and medium temperature	related to switching frequency
Corrosion resistance classification CRC	2
Medium temperature	-5 ... 40 °C
Ambient temperature	-5 ... 40 °C
Product weight	120 g
Electrical connection	Cable
Cable length	2.5 m
Mounting type	On PR manifold
Pneumatic connection, 11	Sub-base
Pneumatic connection, port 2	Sub-base
Pneumatic connection, 33	Sub-base
Materials note	Free of copper and PTFE
Materials information for seals	HNBR NBR

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