

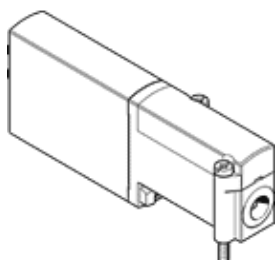
# Solenoid valve

## MHA3-MS1H-3/20-3

Part number: 525155

FESTO

individual valve, fast switching.



## Data sheet

Feature	Value
Valve function	3/2 open, monostable
Type of actuation	electrical
Width	14 mm
Standard nominal flow rate	200 l/min
Working pressure	-0.9 ... 8 bar
Design structure	Pressure-relieved poppet valve
Type of reset	mechanical spring
Protection class	IP65
Authorization	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
Working 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 symbol (see declaration of conformity)	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
Product weight	120 g
Electrical connection	Plug 2-pin
Mounting type	On PR manifold
Pneumatic connection, 11	Subbase
Pneumatic connection, port 2	Subbase
Pneumatic connection, 33	Subbase
Materials note	Free of copper and PTFE
Materials information for seals	HNBR NBR
Materials information, housing	Zinc die-casting coated
Screw material data	Steel Galvanized