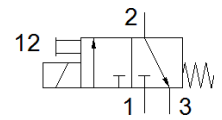
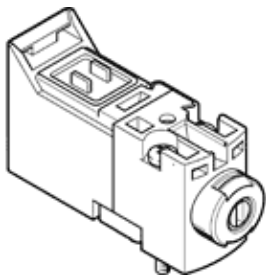


# solenoid valve

## MHA1-M1R-3/2G-0,6-P3

Part number: 8025223

FESTO



### 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	0.15 ... 0.8 MPa
Design structure	Poppet valve with spring return
Type of reset	mechanical spring
Protection class	IP40 IP65
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	detenting Pushing
Type of piloting	direct
Flow direction	non reversible
Overlap	Underlap
Note on forced dynamisation	Switching frequency at least once a week
Maximum switching frequency	10 Hz
Switching time off	5 ms
Switching time on	5 ms
Duty cycle	100 %
Electrical power consumption	1 W
Max. positive test pulse with logic 0	500 µs
Max. negative test pulse with logic 1	400 µs
Characteristic coil data	24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 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
Restriction ambient and medium temperature	-5 - 40 °C Without holding current reduction
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 ... 50 °C
Ambient temperature	-5 ... 50 °C
Product weight	10 g

Feature	Value
Electrical connection	Via electrical connection plate
Mounting type	On sub-base with through hole
Pneumatic connection, port 1	Sub-base
Pneumatic connection, port 2	Sub-base
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