

# Solenoid valve

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

Part number: 8025223

FESTO



 [General operating condition](#)

## Data sheet

Feature	Value
Valve function	3/2-way, single solenoid, closed
Type of actuation	Electrical
Construction width	10 mm
Standard nominal flow rate (standardised to DIN 1343)	10 l/min
pneumatic working port	Sub-base
Operating voltage	24 V DC
Operating pressure	0.15 MPa ... 0.8 MPa
Operating pressure	1.5 bar ... 8 bar
Operating pressure	21.75 psi ... 116 psi
Design	Poppet valve with spring return
Type of reset	Mechanical spring
Degree of protection	IP40 IP65
Approval	c UL us - Recognised (Oil)
Certificate issuing authority	UL MH19482
Nominal size	0.65 mm
Grid dimension	10 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of piloting	Direct
Flow direction	Non-reversible
Symbol	00991308
lap	Underlap
Note on forced dynamization	Switching frequency min. 1/week
Max. 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 0 signal	500 µs
Max. negative test pulse with 1 signal	400 µs
Characteristic coil data	24 V DC: 1.0 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W

Feature	Value
Permissible voltage fluctuations	+/-10%
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Restrictions for environmental and media temperature	Without holding current reduction
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Storage temperature	-20 °C ... 60 °C
Media temperature	-5 °C ... 50 °C
Ambient temperature	-5 °C ... 50 °C
Product weight	10 g
Electrical connection	Via electrical sub-base
Type of mounting	On sub-base With through-hole
Pneumatic connection, port 1	Sub-base
Pneumatic connection, port 2	Sub-base
Pneumatic connection, port 3	Sub-base
Note on materials	RoHS compliant
Material seals	Fluoro rubber HNBR NBR
Material housing	Reinforced PPS