

# Solenoid valve

## MDH-5/2-D-1-S-FR-M12D-C

Part number: 540811

FESTO

With M12 plug connection.



## Data sheet

Feature	Value
Valve function	5/2 monostable
Type of actuation	electrical
Width	42 mm
Standard nominal flow rate	1,200 l/min
Working pressure	-0.9 ... 16 bar
Design structure	Piston slide
Type of reset	mechanical spring
Protection class	IP65
Nominal size	8 mm
Grid dimension	43 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Conforms to standard	ISO 5599-1
Manual override	Pushing
ISO code	169
Type of piloting	Piloted
Pilot air supply	external
Flow direction	reversible
Lap	Positive overlap
Pilot pressure	3 ... 10 bar
Switching time off	42 ms
Switching time on	20 ms
Duty cycle	100 %
Max. positive test pulse with logic 0	3,800 µs
Max. negative test pulse with logic 1	4,900 µs
Characteristic coil data	24 V DC: 2.7 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 with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
PWIS conformity	VDMA24364-B1/B2-L
Medium temperature	-10 ... 50 °C
Sound pressure level	85 dB(A)
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-10 ... 50 °C
Product weight	420 g
Electrical connection	M12x1
Mounting type	On subbase with through hole

<b>Feature</b>	<b>Value</b>
Pilot air port 12	Subbase
Pilot air port 14	Subbase
Pneumatic connection, port 1	Connection plate size 1 as per ISO 5599-1
Pneumatic connection, port 2	Connection plate size 1 as per ISO 5599-1
Pneumatic connection, port 3	Connection plate size 1 as per ISO 5599-1
Pneumatic connection, port 4	Connection plate size 1 as per ISO 5599-1
Pneumatic connection, port 5	Connection plate size 1 as per ISO 5599-1
Material seals	HNBR NBR
Material housing	Aluminum die cast