

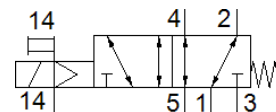
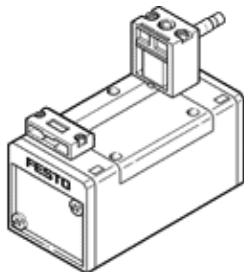
solenoid valve

MN1H-5/2-D-1-FR-S-C

Part number: 159716

FESTO

With manual override, without solenoid coil or socket. Solenoid coil and socket should be ordered separately.



Data sheet

Feature	values
Valve function	5/2 monostable
Type of actuation	electrical
Width	42 mm
Standard nominal flow rate	1,200 l/min
Operating pressure	-0.9 ... 16 bar
Design structure	Piston slide
Type of reset	mechanical spring
Protection class	IP65
Authorisation	Germanischer Lloyd
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	with accessories, detenting Pushing
ISO code	169
Type of piloting	Piloted
Pilot air supply	external
Flow direction	reversible
Freedom from overlap	Yes
Note on forced dynamisation	Switching frequency at least once a week
Pilot pressure	3 ... 10 bar
Switching time off	39 ms
Switching time on	17 ms
Max. positive test pulse with logic 0	3,700 µs
Max. negative test pulse with logic 1	4,600 µs
Characteristic coil data	See solenoid coil, to be ordered separately
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 1 in accordance with 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
Medium temperature	-5 ... 50 °C
Sound pressure level	85 dB(A)
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 50 °C
Product weight	450 g
Electrical connection	Via N1 coil, to be ordered separately
Mounting type	On sub-base

Feature	values
	with through hole
Pilot air port 12	Connection plate size 1 as per ISO 5599-1
Pilot air port 14	Connection plate size 1 as per ISO 5599-1
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
Materials note	Conforms to RoHS
Materials information for seals	HNBR NBR
Materials information, housing	Aluminium die cast