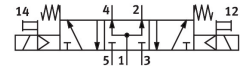


Air solenoid valve

MN1H-5/3B-D-1-C

Part number: 159685

FESTO



Data sheet

Feature	Value
Valve function	5/3, pressurized
Actuation type	Electrical
Width	42 mm
Standard nominal flow rate	1200 l/min
Pneumatic working port	Sub-base, size 1 according to ISO 5599-1 G1/4
Operating voltage	Via solenoid coil, to be ordered separately
Operating pressure	0.3 MPa...1 MPa 3 bar...10 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Certification	c UL us - Recognized (OL)
Maritime classification	See certificate
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Certificate issuing authority	DNV-TAA000032X
Degree of protection	IP65
Nominal width	8 mm
Width dimension	43 mm
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1
Manual override	Detenting via accessory Non-detenting
ISO code	158
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Lap	Overlap
Switching time off	46 ms
On switching time	20 ms
Max. positive test pulse with 0 signal	3700 µs

Feature	Value
Max. negative test pulse on 1 signal	4600 µs
Coil characteristics	See solenoid coil, to be ordered separately
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
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 as per FN 942017-5 and EN 60068-2-27
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-5 °C...50 °C
Noise level	85 dB(A)
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...50 °C
Product weight	650 g
Electrical connection	Via N1 coil, to be ordered separately
Type of mounting	On sub-base With through-hole
Pilot air port 12	Sub-base, size 1 as per ISO 5599-1
Pilot air port 14	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 1	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 2	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 3	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 4	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 5	Sub-base, size 1 as per ISO 5599-1
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum