Air solenoid valve
MN1H-5/2-D-2-S-C
Part number: 159698
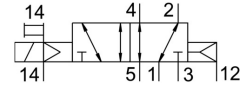
Data sheet

Feature	Value
Valve function	5/2, monostable
Actuation type	Electrical
Width	54 mm
Standard nominal flow rate	2300 l/min
Pneumatic working port	Sub-base, size 2 as per ISO 5599-1 G3/8
Operating voltage	Via solenoid coil, to be ordered separately
Operating pressure	-0.9 bar ... 16 bar
Design	Piston gate valve
Reset method	Pneumatic spring
Maritime classification	See certificate
Degree of protection	IP65
Nominal width	11.5 mm
Width dimension	56 mm
Type code	MN1H
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	264
Type of control	Pilot-controlled
Pilot air supply port	External
Flow direction	Reversible
Symbol	00991301
Lap	Overlap
Pilot pressure	2 bar ... 10 bar
Switching time off	62 ms
On switching time	43 ms
Max. positive test pulse with 0 signal	3700 µs
Max. negative test pulse on 1 signal	4600 µs
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

Feature	Value
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
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	710 g
Electrical connection	Via N1 coil, to be ordered separately
Type of mounting	On sub-base With through-hole and screw
Pilot exhaust air port 84	M5
Pilot air port 14	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 1	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 2	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 3	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 4	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 5	Sub-base, size 2 as per ISO 5599-1
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum