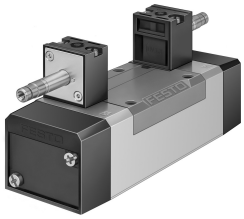
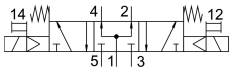
Air solenoid valve MN1H-5/3B-D-2-C

Part number: 159697





Data sheet

Feature	Value
Valve function	5/3, pressurized
Actuation type	Electrical
Width	54 mm
Standard nominal flow rate	2300 l/min
Pneumatic working port	Sub-base, size 2 according to ISO 5599-1 G3/8
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
Degree of protection	IP65
Nominal width	11.5 mm
Width dimension	56 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	258
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Lap	Overlap
Switching time off	78 ms
On switching time	35 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]

Feature	Value
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)
Ambient temperature	-5 °C...50 °C
Product weight	940 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 82	M5
Pilot exhaust air port 84	M5
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