

# Air solenoid valve MN1H-5/2-D-2-FR-S-C

Part number: 159718

FESTO



General operating condition

## Data sheet

Feature	Value
Valve function	5/2-way, monostable
Actuation type	Electrical
Width	54 mm
Normal nominal flow rate (normalized to DIN 1343)	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	-0.09 MPa ... 1.6 MPa
Operating pressure	-0.9 bar ... 16 bar
Structural design	Piston gate valve
Reset method	Mechanical spring
Maritime classification	See certificate
Certificate issuing authority	DNV-TAA000032X
Degree of protection	IP65
Nominal width	11.5 mm
Width dimension	56 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1
Manual override	Detenting via accessory Non-detenting
ISO code	269
Type of control	Piloted
Pilot air supply port	External
Flow direction	Reversible
Symbol	00991190
Lap	Positive overlap
Pilot pressure MPa	0.3 MPa ... 1 MPa
Pilot pressure	3 bar ... 10 bar
Suitability for vacuum	Yes
Switching time off	62 ms
On switching time	24 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)
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