



## Air solenoid valve, MN1H-5/2-D-1-C, 159688

URL: <https://www.sxplc.com/air-solenoid-valve-mn1h-5-2-d-1-c-159688>

### Product data sheet

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| • <b>Valve function</b> 5/2, monostable  |
| • <b>Actuation type</b> Electrical   |
| • <b>Width</b> 42 mm   |
| • <b>Standard nominal flow rate</b> 1200 l/min                                   |
| • <b>Pneumatic working port</b> Sub-base, size 1 according to ISO 5599-1<br>G1/4 |
| • <b>Operating voltage</b> Via solenoid coil, to be ordered separately           |
| • <b>Operating pressure</b> 0.2 MPa ... 1 MPa                                    |
| • <b>Operating pressure</b> 2 bar ... 10 bar                                     |
| • <b>Structural design</b> Piston gate valve                                     |
| • <b>Reset method</b> Pneumatic spring   |
| • <b>Certification</b> nc UL us - Recognized (OL)                                |
| • <b>Maritime classification</b> See certificate                                 |
| • <b>Certificate issuing authority</b> 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** 151
- **Type of control** Pilot-controlled
- **Pilot air supply port** Internal
- **Flow direction** Non-reversible
- **Symbol** 00991049
- **Lap** Overlap
- **Switching time off** 32 ms
- **On switching time** 23 ms
- **Max. positive test pulse with 0 signal** 3700  $\mu$ s
- **Max. negative test pulse on 1 signal** 4600  $\mu$ s
- **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**450 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

