

Air solenoid valve JMN1H-5/2-D-1-S-C

Part number: 159689

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|---|--|
| Valve function | 5/2, bistable |
| Actuation type | Electrical |
| Width | 42 mm |
| Normal nominal flow rate (normalized to DIN 1343) | 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 | -0.09 MPa ... 1.6 MPa |
| Operating pressure | -0.9 bar ... 16 bar |
| Structural design | Piston gate valve |
| Maritime classification | See certificate |
| 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 | 169 |
| Type of control | Pilot-controlled |
| Pilot air supply port | External |
| Flow direction | Reversible |
| Symbol | 00991067 |
| Lap | Overlap |
| Pilot pressure MPa | 0.2 MPa ... 1 MPa |
| Pilot pressure | 2 bar ... 10 bar |
| Suitability for vacuum | yes |
| Changeover time | 18 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) |

| Feature | Value |
|---------------------------|--|
| 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 | 610 g |
| Electrical connection | Via N1 coil, to be ordered separately |
| Type of mounting | On sub-base With through-hole |
| Pilot exhaust air port 82 | M5 |
| Pilot exhaust air port 84 | M5 |
| 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 |