

Solenoid valve MN1H-5/2-D-2-FR-C

Part number: 159699

FESTO



[General operating condition](#)

Data sheet

| Feature | Value |
|---|---|
| Valve function | 5/2-way, monostable |
| Type of actuation | Electric |
| Construction width | 54 mm |
| Standard nominal flow rate (standardised to DIN 1343) | 2300 l/min |
| pneumatic working port | Sub-base size 2 to ISO 5599-1 G3/8 |
| Operating voltage | Via solenoid coil, must be ordered separately |
| Operating pressure | 0.3 MPa ... 1 MPa |
| Operating pressure | 3 bar ... 10 bar |
| Design | Piston gate valve |
| Type of reset | Mechanical spring |
| Approval | c UL us - Recognized (OL) |
| Maritime classification | See certificate |
| Certificate issuing authority | DNV-TAA000032X UL MH19482 |
| Degree of protection | IP65 |
| Nominal size | 11.5 mm |
| Grid dimension | 56 mm |
| Exhaust-air function | With flow control option |
| Sealing principle | Soft |
| Mounting position | optional |
| Conforms to standard | ISO 5599-1 |
| Manual override | Detenting via accessory Non-detenting |
| ISO code | 252 |
| Type of piloting | Pilot actuated |
| Pilot air supply | Internal |
| Flow direction | Non-reversible |
| Symbol | 00991003 |
| lap | Overlap |
| Suitability for vacuum | no |
| Switching time off | 62 ms |
| Switching time on | 24 ms |
| Max. positive test pulse with 0 signal | 3700 µs |
| Max. negative test pulse with 1 signal | 4600 µs |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |

| Feature | Value |
|------------------------------------|--|
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Vibration resistance | Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27 |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Media temperature | -5 °C ... 50 °C |
| Sound pressure level | 85 dB(A) |
| 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 Via through-hole and screw |
| Pilot exhaust port 84 | M5 |
| Pneumatic connection, port 1 | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 2 | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 3 | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 4 | Sub-base size 2 to ISO 5599-1 |
| Pneumatic connection, port 5 | Sub-base size 2 to ISO 5599-1 |
| Note on materials | RoHS-compliant |
| Material seals | HNBR NBR |
| Material housing | Die-cast aluminium |