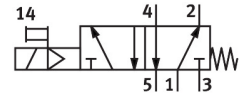


# Solenoid valve MFH-5/2-D-1-FR-C

Part number: 151016

FESTO



 [General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 5/2-way, monostable  |
| Type of actuation                                     | Electric   |
| Construction width                                    | 42 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 1200 l/min   |
| pneumatic working port                                | Sub-base size 1 to ISO 5599-1<br>G1/4  |
| 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  |
| Maritime classification                               | See certificate  |
| Certificate issuing authority                         | DNV-TAA000032X   |
| Degree of protection                                  | IP65   |
| Nominal size  | 8 mm   |
| Grid dimension  | 43 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<br>Non-detenting   |
| ISO code  | 152  |
| Type of piloting                                      | Pilot actuated   |
| Pilot air supply                                      | Internal   |
| Flow direction  | Non-reversible   |
| Symbol  | 00991003   |
| lap   | Overlap  |
| Switching time off                                    | 45 ms  |
| Switching time on                                     | 16 ms  |
| Max. positive test pulse with 0 signal                | 2200 µs  |
| Max. negative test pulse with 1 signal                | 3700 µs  |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| 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           |

| Feature                      | Value   |
|------------------------------|---|
| 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            | -10 °C ... 60 °C  |
| Sound pressure level         | 85 dB(A)  |
| Pilot medium                 | Compressed air to ISO 8573-1:2010 [7:4:4]                         |
| Ambient temperature          | -5 °C ... 40 °C   |
| Product weight               | 390 g   |
| Electrical connection        | Via F coil, to be ordered separately                              |
| Type of mounting             | On sub-base<br>With through-hole                                  |
| Pilot air port 12            | Sub-base size 1 to ISO 5599-1                                     |
| Pilot air port 14            | Sub-base size 1 to ISO 5599-1                                     |
| Pneumatic connection, port 1 | Sub-base size 1 to ISO 5599-1                                     |
| Pneumatic connection, port 2 | Sub-base size 1 to ISO 5599-1                                     |
| Pneumatic connection, port 3 | Sub-base size 1 to ISO 5599-1                                     |
| Pneumatic connection, port 4 | Sub-base size 1 to ISO 5599-1                                     |
| Pneumatic connection, port 5 | Sub-base size 1 to ISO 5599-1                                     |
| Note on materials            | RoHS-compliant  |
| Material seals               | HNBR<br>NBR   |
| Material housing             | Die-cast aluminium  |