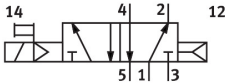


# Air solenoid valve

## MFH-5/2-D-3-C

Part number: 151870

**FESTO**



## Data sheet

| Feature                                | Value   |
|--|---|
| Valve function                         | 5/2, monostable                               |
| Actuation type                         | Electrical                                    |
| Width                                  | 65 mm   |
| Standard nominal flow rate             | 4500 l/min                                    |
| Pneumatic working port                 | Sub-base, size 3 as per ISO 5599-1<br>G1/2    |
| Operating voltage                      | Via solenoid coil, to be ordered separately   |
| Operating pressure                     | 0.2 MPa...1 MPa<br>2 bar...10 bar             |
| Structural design                      | Piston gate valve                             |
| Reset method                           | Pneumatic spring                              |
| Maritime classification                | See certificate                               |
| Certificate issuing authority          | DNV-TAA000032X                                |
| Degree of protection                   | IP65  |
| Nominal width                          | 14.5 mm                                       |
| Width dimension                        | 71 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<br>Non-detenting      |
| ISO code                               | 351   |
| Type of control                        | Pilot-controlled                              |
| Pilot air supply port                  | Internal                                      |
| Flow direction                         | Non-reversible                                |
| Lap                                    | Overlap                                       |
| Switching time off                     | 66 ms   |
| On switching time                      | 60 ms   |
| Max. positive test pulse with 0 signal | 2200 µs                                       |
| Max. negative test pulse on 1 signal   | 3700 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                    | -10 °C...60 °C   |
| Noise level                              | 85 dB(A)   |
| Ambient temperature                      | -5 °C...40 °C  |
| Product weight                           | 960 g  |
| Electrical connection                    | Via F coil, to be ordered separately   |
| Type of mounting                         | On sub-base<br>With through-hole and screw   |
| Pilot exhaust air port 84                | M5   |
| Pneumatic connection 1                   | Sub-base, size 3 as per ISO 5599-1   |
| Pneumatic connection 2                   | Sub-base, size 3 as per ISO 5599-1   |
| Pneumatic connection 3                   | Sub-base, size 3 as per ISO 5599-1   |
| Pneumatic connection 4                   | Sub-base, size 3 as per ISO 5599-1   |
| Pneumatic connection 5                   | Sub-base, size 3 as per ISO 5599-1   |
| Note on materials                        | RoHS-compliant   |
| Seals material                           | HNBR<br>NBR  |
| Housing material                         | Die-cast aluminum  |