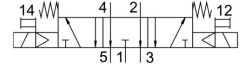


# Air solenoid valve MDH-5/3E-D-1-M12D-C

FESTO

Part number: 540805



## Data sheet

| Feature                                  | Value  |
|--|--|
| Valve function                           | 5/3, exhausted   |
| Actuation type                           | Electrical   |
| Width                                    | 42 mm  |
| Standard nominal flow rate               | 1200 l/min   |
| Pneumatic working port                   | Sub-base, size 1 as per ISO 5599-1<br>G1/4   |
| Operating voltage                        | 24V DC   |
| Operating pressure                       | 3 bar ... 10 bar   |
| Structural design                        | Piston gate valve  |
| Reset method                             | Mechanical spring  |
| Degree of protection                     | IP65   |
| Nominal width                            | 8 mm   |
| Width dimension                          | 43 mm  |
| Type code                                | MDH  |
| Exhaust air function                     | With flow control option   |
| Sealing principle                        | Soft   |
| Mounting position                        | Any  |
| Conforms to standard                     | ISO 5599-1   |
| Manual override                          | Non-detenting  |
| ISO code                                 | 157  |
| Type of control                          | Pilot-controlled   |
| Pilot air supply port                    | Internal   |
| Flow direction                           | Non-reversible   |
| Symbol                                   | 00991082   |
| Lap                                      | Overlap  |
| Switching time off                       | 55 ms  |
| On switching time                        | 25 ms  |
| Duty cycle                               | 100%   |
| Max. positive test pulse with 0 signal   | 3800 µs  |
| Max. negative test pulse on 1 signal     | 4900 µs  |
| Coil characteristics                     | 24 V DC: 2.7 W   |
| Permissible voltage fluctuations         | +/- 10 %   |
| 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 |

| <b>Feature</b>         | <b>Value</b>  |
|------------------------|---|
| Shock resistance       | Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 |
| Temperature of medium  | -10 °C ... 50 °C  |
| Noise level            | 85 dB(A)  |
| Ambient temperature    | -10 °C ... 50 °C  |
| Product weight         | 580 g   |
| Electrical connection  | M12x1   |
| Type of mounting       | On sub-base<br>With through-hole                                      |
| 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                                    |
| Seals material         | HNBR<br>NBR   |
| Housing material       | Die-cast aluminum   |