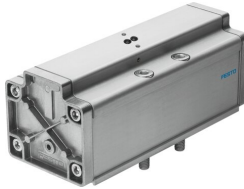
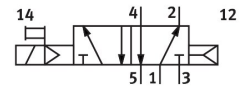


# Solenoid valve

## MDH-5/2-3/4-D-4

Part number: 14544

**FESTO**



## Data sheet

| Feature                                               | Value                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                        | 5/2-way, single solenoid                                                                   |
| Type of actuation                                     | Electrical                                                                                 |
| Construction width                                    | 76 mm                                                                                      |
| Standard nominal flow rate (standardised to DIN 1343) | 6000 l/min                                                                                 |
| pneumatic working port                                | Sub-base size 4 to ISO 5599-1<br>G3/4                                                      |
| Operating voltage                                     | Via solenoid coil, must be ordered separately                                              |
| Operating pressure                                    | 3 bar...16 bar                                                                             |
| Design                                                | Piston gate valve                                                                          |
| Type of reset                                         | Pneumatic spring                                                                           |
| Degree of protection                                  | IP65                                                                                       |
| Nominal size                                          | 18 mm                                                                                      |
| Grid dimension                                        | 82 mm                                                                                      |
| Exhaust-air function                                  | Can be throttled                                                                           |
| Sealing principle                                     | Soft                                                                                       |
| Mounting position                                     | Any                                                                                        |
| Conforms to standard                                  | ISO 5599-1                                                                                 |
| Manual override                                       | Non-detenting                                                                              |
| ISO code                                              | 451                                                                                        |
| Type of piloting                                      | Piloted                                                                                    |
| Pilot air supply                                      | Internal                                                                                   |
| Flow direction                                        | Non-reversible                                                                             |
| lap                                                   | Overlap                                                                                    |
| Switching time off                                    | 160 ms                                                                                     |
| Switching time on                                     | 120 ms                                                                                     |
| 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) |
| LABS (PWIS) conformity                                | VDMA24364-B1/B2-L                                                                          |
| Media temperature                                     | -10 °C...60 °C                                                                             |
| Sound pressure level                                  | 85 dB(A)                                                                                   |
| Ambient temperature                                   | -10 °C...50 °C                                                                             |

| Feature                      | Value                                     |
|------------------------------|-------------------------------------------|
| Product weight               | 2600 g                                    |
| Type of mounting             | On sub-base<br>Via through-hole and screw |
| Pilot exhaust port 84        | M5                                        |
| Pneumatic connection, port 1 | Sub-base size 4 to ISO 5599-1             |
| Pneumatic connection, port 2 | Sub-base size 4 to ISO 5599-1             |
| Pneumatic connection, port 3 | Sub-base size 4 to ISO 5599-1             |
| Pneumatic connection, port 4 | Sub-base size 4 to ISO 5599-1             |
| Pneumatic connection, port 5 | Sub-base size 4 to ISO 5599-1             |
| Note on materials            | RoHS compliant                            |
| Material seals               | NBR                                       |
| Material housing             | Aluminium                                 |