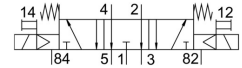


# Air solenoid valve MVH-5/3E-1/8-B

Part number: 30478

**FESTO**



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Valve function                           | 5/3, exhausted                                                     |
| Actuation type                           | Electrical                                                         |
| Width                                    | 26 mm                                                              |
| Standard nominal flow rate               | 1000 l/min                                                         |
| Pneumatic working port                   | G1/8                                                               |
| Operating voltage                        | 24V DC                                                             |
| Operating pressure                       | 0.3 MPa ... 1 MPa                                                  |
| Operating pressure                       | 3 bar ... 10 bar                                                   |
| Structural design                        | Piston gate valve                                                  |
| Reset method                             | Mechanical spring                                                  |
| Nominal width                            | 8 mm                                                               |
| Width dimension                          | 27 mm                                                              |
| Type code                                | MVH                                                                |
| Sealing principle                        | Soft                                                               |
| Mounting position                        | Any                                                                |
| Manual override                          | Non-detenting                                                      |
| Type of control                          | Pilot-controlled                                                   |
| Pilot air supply port                    | Internal                                                           |
| Flow direction                           | Non-reversible                                                     |
| Symbol                                   | 00991036                                                           |
| Lap                                      | Overlap                                                            |
| Max. switching frequency                 | 3 Hz                                                               |
| Switching time off                       | 29 ms                                                              |
| On switching time                        | 30 ms                                                              |
| Changeover time                          | 34 ms                                                              |
| Max. positive test pulse with 0 signal   | 2200 µs                                                            |
| Max. negative test pulse on 1 signal     | 3700 µs                                                            |
| Coil characteristics                     | 24 V DC: 2.5 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) |
| Corrosion resistance class (CRC)         | 1 - Low corrosion stress                                           |
| Storage temperature                      | -40 °C ... 60 °C                                                   |
| Temperature of medium                    | -5 °C ... 50 °C                                                    |
| Ambient temperature                      | -5 °C ... 50 °C                                                    |
| Product weight                           | 575 g                                                              |

| Feature                   | Value                                          |
|---------------------------|------------------------------------------------|
| Type of mounting          | Optionally:<br>On PR rail<br>With through-hole |
| Pilot exhaust air port 82 | M5                                             |
| Pilot exhaust air port 84 | M5                                             |
| Pneumatic connection 1    | G1/8                                           |
| Pneumatic connection 2    | G1/8                                           |
| Pneumatic connection 3    | G1/8                                           |
| Pneumatic connection 4    | G1/8                                           |
| Pneumatic connection 5    | G1/8                                           |
| Note on materials         | RoHS-compliant                                 |
| Seals material            | NBR                                            |
| Housing material          | Die-cast aluminum                              |