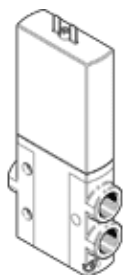


# Solenoid valve

## MHE3-M1H-3/2G-1/8

Part number: 525146

FESTO



### Data sheet

| Feature                                 | Value  |
|---|--|
| Valve function                          | 3/2 closed, monostable   |
| Type of actuation                       | electrical   |
| Width                                   | 14 mm  |
| Standard nominal flow rate              | 200 l/min  |
| Operating pressure MPa                  | -0.09 ... 0.8 MPa  |
| Working pressure                        | -0.9 ... 8 bar   |
| Design structure                        | Pressure-relieved poppet valve   |
| Type of reset                           | mechanical spring  |
| Protection class                        | IP65   |
| Authorization                           | c UL us - Recognized (OL)  |
| Nominal size                            | 3 mm   |
| Grid dimension                          | 19 mm  |
| Note on grid dimension                  | Minimum distance between the valves is 5 mm  |
| Exhaust-air function                    | throttleable   |
| Sealing principle                       | soft   |
| Assembly position                       | Any  |
| Manual override                         | Pushing  |
| Type of piloting                        | direct   |
| Flow direction                          | reversible with restrictions   |
| Lap                                     | Underlap   |
| Operating pressure, reversible          | -0.09 ... 0.1 MPa  |
| Working pressure, reversible            | -0.9 ... 1 bar   |
| Operating pressure, reversible          | -13.05 ... 14.5 psi  |
| Maximum switching frequency             | 130 Hz   |
| Switching time off                      | 4.5 ms   |
| Switching time on                       | 8.3 ms   |
| Duty cycle                              | 100 %  |
| Characteristic coil data                | 24 V DC: 3.7 W   |
| Permissible voltage fluctuation         | +/- 10 %   |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                                       |
| Note on operating and pilot medium      | Lubricated operation possible (subsequently required for further operation)                    |
| Vibration resistance                    | Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 |
| Shock resistance                        | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27              |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress  |
| PWIS conformity                         | VDMA24364-B1/B2-L  |
| Medium temperature                      | -5 ... 60 °C   |
| Ambient temperature                     | -5 ... 60 °C   |
| Product weight                          | 120 g  |
| Electrical connection                   | 2-pin<br>Plug  |
| Mounting type                           | with through hole  |
| Pneumatic connection, port 1            | G1/8   |
| Pneumatic connection, port 2            | G1/8   |

| <b>Feature</b>               | <b>Value</b>          |
|------------------------------|-----------------------|
| Pneumatic connection, port 3 | G1/8                  |
| Materials note               | Conforms to RoHS      |
| Material seals               | HNBR<br>NBR           |
| Material housing             | Die-cast zinc, coated |
| Material screws              | Galvanized steel      |