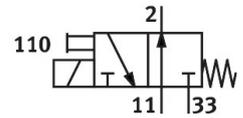


# Solenoid valve

## MHA1-M5H-3/20-0,6-PI

Part number: 197025

**FESTO**



## Data sheet

| Feature   | Value  |
|---|--|
| Valve function  | 3/2 open, monostable                               |
| Type of actuation                                     | Electric   |
| Construction width                                    | 10 mm  |
| Standard nominal flow rate (standardised to DIN 1343) | 10 l/min   |
| pneumatic working port                                | Sub-base   |
| Operating voltage                                     | 12V DC   |
| Operating pressure                                    | 0 MPa...0.6 MPa<br>0 bar...6 bar<br>0 psi...87 psi |
| Design  | Poppet valve with spring return                    |
| Type of reset   | Mechanical spring                                  |
| Degree of protection                                  | IP40   |
| Approval  | c UL us - Recognized (OL)                          |
| Certificate issuing authority                         | UL MH19482   |
| Nominal size  | 0.7 mm   |
| Grid dimension  | 10 mm  |
| Exhaust-air function                                  | With flow control option                           |
| Sealing principle                                     | Soft   |
| Mounting position                                     | optional   |
| Manual override                                       | Non-detenting                                      |
| Type of piloting                                      | Direct   |
| Flow direction  | Non-reversible                                     |
| Valve position code                                   | Label  |
| lap   | Underlap   |
| Note on forced dynamization                           | Switching frequency min. 1/week                    |
| Max. switching frequency                              | 20 Hz  |
| Switching time off                                    | 4 ms   |
| Switching time on                                     | 4 ms   |
| Duty cycle  | 100%   |
| Electrical power consumption                          | 1 W  |
| Characteristic coil data                              | 12 V DC: 1.0 W                                     |
| Permissible voltage fluctuations                      | +/- 10 %   |

| Feature                            | Value  |
|------------------------------------|--|
| 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) |
| Vibration resistance               | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6           |
| Shock resistance                   | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                          |
| Corrosion resistance class CRC     | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity             | VDMA24364-B2-L   |
| Storage temperature                | -20 °C...60 °C   |
| Media temperature                  | -5 °C...40 °C  |
| Ambient temperature                | -5 °C...40 °C  |
| Product weight                     | 10 g   |
| Electrical connection              | Plugs  |
| Type of mounting                   | On sub-base<br>With through-hole   |
| Pneumatic connection, port 11      | Sub-base   |
| Pneumatic connection, port 2       | Sub-base   |
| Pneumatic port 33                  | Sub-base   |
| Note on materials                  | RoHS-compliant   |
| Material seals                     | FPM<br>HNBR<br>NBR   |
| Material housing                   | PA-reinforced<br>PPS reinforced  |