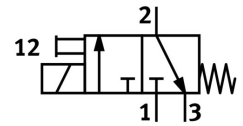
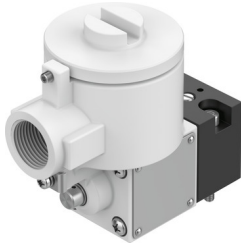


# Pilot valve

## MGXDH-3/2-1.2-110AC-EX

Part number: 535616

FESTO



 General operating condition

## Data sheet

| Feature                                           | Value                                                                                                                                    |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Valve function                                    | 3/2-way, closed, monostable                                                                                                              |
| Type of actuation                                 | Electric                                                                                                                                 |
| Operating pressure                                | -0.09 MPa ... 0.8 MPa                                                                                                                    |
| Operating pressure                                | -0.9 bar ... 8 bar                                                                                                                       |
| Operating pressure                                | -13.05 psi ... 116 psi                                                                                                                   |
| Design                                            | On/off valve                                                                                                                             |
| Type of reset                                     | Mechanical spring                                                                                                                        |
| CE mark (see declaration of conformity)           | To EU Explosion Protection Directive (ATEX)                                                                                              |
| Explosion protection certification outside the EU | EPL Db (CN)<br>EPL Db (IEC-EX)<br>EPL Gb (CN)<br>EPL Gb (IECEx)                                                                          |
| Certificate issuing authority                     | ATEX: CML 15 ATEX 1119X<br>CCC-Ex: 2020322307001701<br>IEC: IECEx CML 17.0147X                                                           |
| ATEX category gas                                 | II 2G                                                                                                                                    |
| ATEX category dust                                | II 2D                                                                                                                                    |
| Explosion ignition protection type for gas        | ATEX: Ex db IIC T4 Gb<br>CCC-Ex: Ex d IIC T3/T6 Gb                                                                                       |
| Explosion ignition protection type for dust       | Ex tb IIIC T135°C Db                                                                                                                     |
| Explosion ambient temperature                     | ATEX: -65°C ≤ Ta ≤ +40°C<br>CCC-Ex: -20°C ≤ Ta ≤ +40°C                                                                                   |
| Degree of protection                              | IP66                                                                                                                                     |
| Manual override                                   | Detenting                                                                                                                                |
| Flow direction                                    | Non-reversible                                                                                                                           |
| Symbol                                            | 00991308                                                                                                                                 |
| Duty cycle                                        | 100%                                                                                                                                     |
| Insulation material class                         | H                                                                                                                                        |
| Characteristic coil data                          | 110 V AC: 50/60 Hz, pick-up power 7.7 VA, holding power 3.8 VA                                                                           |
| Permissible frequency fluctuations                | +/- 10%                                                                                                                                  |
| Explosion protection                              | Zone 1 (ATEX)<br>Zone 1 (CN)<br>Zone 1 (IEC-EX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (CN)<br>Zone 21 (IEC-EX)<br>Zone 22 (ATEX) |
| Operating medium                                  | Compressed air to ISO 8573-1:2010 [7:4:4]                                                                                                |

| Feature                            | Value                                                                                      |
|------------------------------------|--------------------------------------------------------------------------------------------|
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC     | 2 - Moderate corrosion stress                                                              |
| LABS (PWIS) conformity             | VDMA24364 zone III                                                                         |
| Ambient temperature                | -20 °C ... 80 °C                                                                           |
| Type of mounting                   | CNOMO                                                                                      |
| Note on materials                  | RoHS-compliant                                                                             |