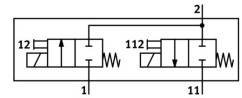
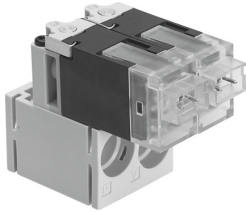


# Vacuum valve MHA1-2X2/2G-1,5

Part number: 563365

**FESTO**



 General operating condition

## Data sheet

| Feature                                    | Value                                                                                      |
|--------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                             | 2x2/2-way, monostable, closed                                                              |
| Type of actuation                          | Electric                                                                                   |
| Construction width                         | 20 mm                                                                                      |
| Standard nominal flow rate                 | 30 l/min                                                                                   |
| pneumatic working port                     | Prepared for QSP10                                                                         |
| Operating voltage                          | 24V DC                                                                                     |
| Operating pressure                         | 0 bar ... 1.5 bar                                                                          |
| Type of reset                              | Mechanical spring                                                                          |
| Degree of protection                       | IP40                                                                                       |
| CE mark (see declaration of conformity)    | To EU EMC Directive<br>In accordance with EU RoHS Directive                                |
| CE marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions                                      |
| Nominal size                               | 1.5 mm                                                                                     |
| Grid dimension                             | 20 mm                                                                                      |
| Exhaust-air function                       | Without flow control option                                                                |
| Sealing principle                          | Soft                                                                                       |
| Mounting position                          | optional                                                                                   |
| Manual override                            | Non-detenting                                                                              |
| Type of piloting                           | Direct                                                                                     |
| Flow direction                             | Non-reversible                                                                             |
| Symbol                                     | 00992254                                                                                   |
| Signal status display                      | LED                                                                                        |
| Operating pressure, reversible             | -0.95 bar ... 0 bar                                                                        |
| Suitability for vacuum                     | yes                                                                                        |
| Standard flow rate                         | 30 l/min                                                                                   |
| Max. switching frequency                   | 10 Hz                                                                                      |
| Switching time off                         | 6 ms                                                                                       |
| Switching time on                          | 6 ms                                                                                       |
| Duty cycle                                 | 100%                                                                                       |
| Characteristic coil data                   | 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W                                 |
| Permissible voltage fluctuations           | +/- 10 %                                                                                   |
| 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           |

| Feature                        | Value                                                             |
|--------------------------------|-------------------------------------------------------------------|
| 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 ... 50 °C                                                   |
| Ambient temperature            | -5 °C ... 50 °C                                                   |
| Product weight                 | 26.3 g                                                            |
| Max. cable length              | 30 m                                                              |
| Electrical connection          | Plug KMH                                                          |
| Type of mounting               | With through-hole                                                 |
| Pneumatic connection, port 1   | Prepared for QSP10                                                |
| Pneumatic connection, port 11  | Prepared for QSP10                                                |
| Pneumatic connection, port 2   | Prepared for QSP10                                                |
| Note on materials              | RoHS-compliant                                                    |
| Material seals                 | FPM<br>HNBR<br>NBR                                                |
| Material housing               | PA-reinforced<br>PPS reinforced                                   |
| Material screws                | Steel                                                             |