

# Solenoid Valve VMPA2-M1H-H-PI - Festo 537959

Item no. FES-537959

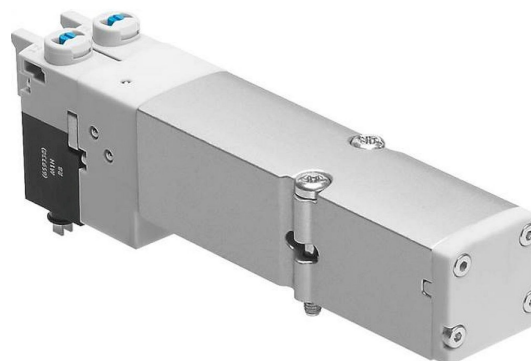
Manufacturer Festo

EAN 4052568174859

Festo valve for fast, reliable control of compressed-air direction and flow.

## TECHNICAL DATA

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Actuation type                 | Electrical                              |
| Betriebsdruck max [bar]        | 10.000000                               |
| Certification                  | IEC 60529                               |
| Corrosion resistance class CRC | 1 - low corrosion stress                |
| Design                         | Piston pusher                           |
| Dichtmaterial                  | NBR                                     |
| Durchfluss [l/min]             | 550                                     |
| Funktion                       | 2x3/2 open/closed monostable            |
| HS-Code                        | 84812090                                |
| Material                       | Aluminium                               |
| Medium                         | Compressed air                          |
| Mounting position              | arbitrary                               |
| Operating conditions           | EN 60068-2-27, EN 60068-2-6, ISO 8573-1 |
| Protection rating              | IP65                                    |
| Series                         | VMPA2                                   |
| Temperature (max.)             | 50                                      |
| Weight                         | 0.105 kg                                |



## STANDARDS & COMPLIANCE

IEC 60529 ISO 8573-1:2010 EN 60068-2-6 EN 60068-2-27

## DESCRIPTION

Festo valve for fast, reliable control of compressed-air direction and flow. The key technical data of this genuine Festo article are listed below.

|                             |                              |
|-----------------------------|------------------------------|
| Valve function              | 2x3/2 open/closed monostable |
| Actuation type              | Electrical                   |
| Valve size [mm]             | 20                           |
| Normal nominal flow [l/min] | 550                          |
| Operating pressure [bar]    | 3 to 10                      |
| Construction set up         | Piston pusher                |
| Reset mode                  | Pneumatic spring             |

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|------------------------------------------------|--------------------------------------------------------------------------|
| Permission                                     | c UL us - Recognized (OL)                                                |
| Protection category                            | IP65<br>acc. to IEC 60529                                                |
| Sealing principle                              | Soft                                                                     |
| installation position                          | arbitrary                                                                |
| Hand assist actuation                          | Ratcheting<br>tentative                                                  |
| Control type                                   | pilot operated                                                           |
| Flow direction                                 | Not reversible                                                           |
| Überdeckung                                    | positive Überdeckung                                                     |
| Signal condition display                       | yes                                                                      |
| Control pressure [bar]                         | 3 to 8                                                                   |
| Vacuum capable                                 | no                                                                       |
| Shifting time off [ms]                         | 28                                                                       |
| Shifting time on [ms]                          | 8                                                                        |
| Max. positive test impulse at 0 signal [μs]    | 400                                                                      |
| Max. negative test impulse for 1 signal [μs]   | 900                                                                      |
| Permitted voltage oscillations                 | ± 25 %                                                                   |
| Operating medium                               | Compressed air to ISO 8573-1:2010 [7:4:4]                                |
| Information about operating and control medium | Oiled operation possible (required in further operations)                |
| Oscillation strength                           | Transport use test with severity level 2 to FN 942017-4 and EN 60068-2-6 |
| Shock resistance                               | Shock test with degree of severity 2 to FN 942017-5 and EN 60068-2-27    |
| Corrosion resistant class KBK                  | 1 - low corrosion stress                                                 |
| Bearing temperature [°C]                       | -20 to 40                                                                |
| Medium temperature [°C]                        | -5 to 50                                                                 |
| Relative humidity                              | max. 90 % at 40 °C                                                       |
| ambient temperature [°C]                       | -5 to 50                                                                 |
| Max. tightening torque Valve fastening [Nm]    | 0,65                                                                     |
| Product weight [g]                             | 100                                                                      |
| Fastening type                                 | With throughway bores                                                    |
| Material information                           | RoHs compliant                                                           |
| Seals material                                 | NBR                                                                      |
| Housing material                               | Aluminium die casting                                                    |
| Normal nominal flow with QS-8 [l/min]          | 550                                                                      |
| Normal nominal flow with QS 10 [l/min]         | 550                                                                      |