

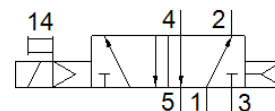
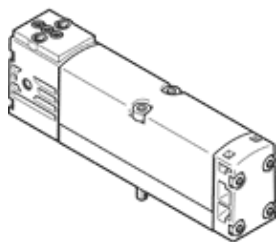
# basic valve

## VSVA-B-M52-A-A2-P1

Part number: 546740

FESTO

Width 18 mm



## Data sheet

| Feature                                   | Value  |
|---|--|
| Valve function                            | 5/2 monostable   |
| Type of actuation                         | electrical   |
| Valve size                                | 18 mm  |
| Standard nominal flow rate                | 550 l/min  |
| Operating pressure                        | 2 ... 10 bar   |
| Design structure                          | Piston slide   |
| Type of reset                             | Air spring   |
| Authorisation                             | c UL us - Recognized (OL)  |
| Protection class                          | IP65<br>NEMA 4   |
| Nominal size                              | 5 mm   |
| Exhaust-air function                      | throttleable   |
| Sealing principle                         | soft   |
| Assembly position                         | Any  |
| Conforms to standard                      | ISO 15407-1<br>VDMA 24563  |
| Type of piloting                          | Piloted  |
| Pilot air supply                          | Internal   |
| Flow direction                            | non reversible   |
| Overlap                                   | Positive overlap   |
| Signal status display                     | LED  |
| Flow rate of valve                        | 750 l/min  |
| Flow rate of valve on individual sub-base | 550 l/min  |
| Flow rate of pneumatically linked valve   | 550 l/min  |
| Duty cycle                                | 100 %  |
| Permissible voltage fluctuation           | -15 % / +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   | 0 - No corrosion stress  |
| Medium temperature                        | -5 ... 50 °C   |
| Relative air humidity                     | 0 - 90 %   |
| Sound pressure level                      | 85 dB(A)   |
| Pilot medium                              | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                                       |
| Ambient temperature                       | -5 ... 50 °C   |
| Max. tightening torque, valve mounting    | 0.9 ... 1.1 Nm   |
| Product weight                            | 89 g   |
| Mounting type                             | On sub-base  |
| Auxiliary pilot air port 12               | Connection plate size 18 mm, according to ISO 15407-1  |
| Auxiliary pilot air port 14               | Connection plate size 18 mm, according to ISO 15407-1  |

| Feature                      | Value   |
|------------------------------|---|
| Pilot exhaust port 82/84     | Not ducted as per standard<br>Ducted                  |
| Pneumatic connection, port 1 | Connection plate size 18 mm, according to ISO 15407-1 |
| Pneumatic connection, port 2 | Connection plate size 18 mm, according to ISO 15407-1 |
| Pneumatic connection, port 3 | Connection plate size 18 mm, according to ISO 15407-1 |
| Pneumatic connection, port 4 | Connection plate size 18 mm, according to ISO 15407-1 |
| Pneumatic connection, port 5 | Connection plate size 18 mm, according to ISO 15407-1 |
| Pilot interface              | According to ISO 15218                                |
| Materials note               | Conforms to RoHS                                      |
| Material seals               | HNBR<br>NBR   |
| Material housing             | Aluminium die cast                                    |
| Material screws              | Steel<br>Galvanised                                   |