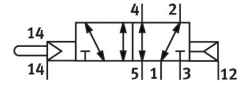


# Stem actuated valve VMEF-SCZ-M52-E-G18

Part number: 8031324

**FESTO**



## Data sheet

| Feature                                           | Value                                                              |
|---------------------------------------------------|--------------------------------------------------------------------|
| Valve function                                    | 5/2-way, monostable                                                |
| Actuation type                                    | Mechanical                                                         |
| Width                                             | 20 mm                                                              |
| Normal nominal flow rate (normalized to DIN 1343) | 750 l/min                                                          |
| Pneumatic working port                            | G1/8                                                               |
| Operating pressure                                | -0.095 MPa...1 MPa<br>-0.95 bar...10 bar                           |
| Structural design                                 | Piston gate valve                                                  |
| Reset method                                      | Pneumatic spring                                                   |
| Nominal width                                     | 5.2 mm                                                             |
| Application note                                  | Do not use as mechanical stop                                      |
| Sealing principle                                 | Soft                                                               |
| Mounting position                                 | Any                                                                |
| Type of control                                   | Piloted                                                            |
| Pilot air supply port                             | External                                                           |
| Flow direction                                    | Reversible                                                         |
| Lap                                               | Positive overlap                                                   |
| Pilot pressure MPa                                | 0.25 MPa...1 MPa                                                   |
| Pilot pressure                                    | 2.5 bar...10 bar                                                   |
| Pilot pressure psi                                | 36.25 psi...145 psi                                                |
| Max. switching frequency                          | 3 Hz                                                               |
| Explosion prevention and protection               | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [7:-:-]                      |
| Information on operating and pilot media          | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)                  | 2 - Moderate corrosion stress                                      |
| LABS (PWIS) conformity                            | VDMA24364-B1/B2-L                                                  |
| Temperature of medium                             | -10 °C...60 °C                                                     |
| Ambient temperature                               | -10 °C...60 °C                                                     |
| Actuating force                                   | 14 N                                                               |

| Feature                | Value                            |
|------------------------|----------------------------------|
| Product weight         | 150 g                            |
| Type of mounting       | With through-hole                |
| Pilot air port 12/14   | M5                               |
| Pneumatic connection 1 | G1/8                             |
| Pneumatic connection 2 | G1/8                             |
| Pneumatic connection 3 | G1/8                             |
| Pneumatic connection 4 | G1/8                             |
| Pneumatic connection 5 | G1/8                             |
| Note on materials      | RoHS compliant                   |
| Cover material         | PA-reinforced                    |
| Seals material         | NBR                              |
| Housing material       | Wrought aluminum alloy, anodized |