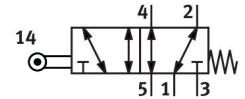


# Roller lever valve VMEF-R-M52-M-G18

Part number: 8049238

**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<br>Roller lever                                  |
| Reset method                                      | Mechanical spring                                                  |
| Max. stroke limit (hard)                          | 11.6 mm                                                            |
| Nominal width                                     | 5.2 mm                                                             |
| Application note                                  | Risk of pinching                                                   |
| Sealing principle                                 | Soft                                                               |
| Mounting position                                 | Any                                                                |
| Type of control                                   | directly                                                           |
| Flow direction                                    | Reversible                                                         |
| Lap                                               | Positive overlap                                                   |
| Max. actuating speed with lateral actuation       | 1.4 m/s                                                            |
| Max. switching frequency                          | 3 Hz                                                               |
| Cam angle                                         | 30 deg                                                             |
| 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)                  | 1 - Low corrosion stress                                           |
| LABS (PWIS) conformity                            | VDMA24364-B1/B2-L                                                  |
| Temperature of medium                             | -10 °C...60 °C                                                     |
| Ambient temperature                               | -10 °C...60 °C                                                     |
| Note on ambient temperature                       | Influence of heat on wear                                          |
| Actuating force                                   | 38 N                                                               |

| Feature                       | Value                            |
|-------------------------------|----------------------------------|
| Product weight                | 240 g                            |
| Type of mounting              | With through-hole                |
| 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                   |
| Actuator attachments material | Steel, galvanized                |
| Cover material                | PA-reinforced                    |
| Seals material                | NBR                              |
| Housing material              | Wrought aluminum alloy, anodized |