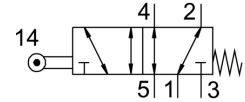


# Roller lever valve VMEF-R-M52-M-N14

Part number: 8047100

FESTO



## Data sheet

| Feature                                     | Value  |
|---|--|
| Valve function                              | 5/2, monostable  |
| Lap   | Overlap  |
| Operating pressure                          | -0.095 MPa ... 1 MPa   |
| Actuation type                              | Mechanical   |
| Width                                       | 20 mm  |
| Standard nominal flow rate                  | 1200 l/min   |
| Pneumatic working port                      | 1/4 NPT  |
| Operating pressure                          | -0.95 bar ... 10 bar   |
| Design                                      | Piston gate valve<br>Roller lever                                  |
| Reset method                                | Mechanical spring  |
| Max. stroke limit (hard)                    | 11.6 mm  |
| Nominal width                               | 7 mm   |
| Type code                                   | VMEF   |
| Application note                            | Risk of pinching   |
| Sealing principle                           | Soft   |
| Mounting position                           | Any  |
| Type of control                             | Direct   |
| Flow direction                              | Reversible   |
| Symbol                                      | 00991362   |
| 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   |
| 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   |
| Product weight                              | 272 g  |
| Type of mounting                            | With through-hole  |
| Pneumatic connection 1                      | 1/4 NPT  |

| <b>Feature</b>                | <b>Value</b>                     |
|-------------------------------|----------------------------------|
| Pneumatic connection 2        | 1/4 NPT                          |
| Pneumatic connection 3        | 1/4 NPT                          |
| Pneumatic connection 4        | 1/4 NPT                          |
| Pneumatic connection 5        | 1/4 NPT                          |
| Note on materials             | RoHS-compliant                   |
| Actuator attachments material | Steel, galvanized                |
| Cover material                | PA-reinforced                    |
| Seals material                | NBR                              |
| Housing material              | Wrought aluminum alloy, anodized |