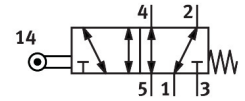


# Roller lever valve VMEF-R-M52-M-N14

Part number: 8047100

**FESTO**



General operating condition

## Data sheet

| Feature                                               | Value                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                        | 5/2-way, monostable                                                                        |
| Type of actuation                                     | Mechanical                                                                                 |
| Construction width                                    | 20 mm                                                                                      |
| Standard nominal flow rate (standardised to DIN 1343) | 1200 l/min                                                                                 |
| pneumatic working port                                | 1/4 NPT                                                                                    |
| Operating pressure                                    | -0.095 MPa ... 1 MPa                                                                       |
| Operating pressure                                    | -0.95 bar ... 10 bar                                                                       |
| Design                                                | Piston gate valve<br>Roller lever                                                          |
| Type of reset                                         | Mechanical spring                                                                          |
| Max. stroke limit (hard)                              | 11.6 mm                                                                                    |
| Nominal size                                          | 7 mm                                                                                       |
| Instructions on use                                   | Risk of pinching                                                                           |
| Sealing principle                                     | Soft                                                                                       |
| Mounting position                                     | optional                                                                                   |
| Type of piloting                                      | Direct                                                                                     |
| Flow direction                                        | Reversible                                                                                 |
| Symbol                                                | 00991362                                                                                   |
| lap                                                   | Overlap                                                                                    |
| Max. actuating speed with lateral actuation           | 1.4 m/s                                                                                    |
| Max. switching frequency                              | 3 Hz                                                                                       |
| Cam angle                                             | 30 deg                                                                                     |
| Explosion protection                                  | Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX)                         |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:-:-]                                                  |
| Note on operating and pilot medium                    | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                        | 1 - Low corrosion stress                                                                   |
| LABS (PWIS) conformity                                | VDMA24364-B1/B2-L                                                                          |
| Media temperature                                     | -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                                                                          |

| Feature                      | Value                            |
|------------------------------|----------------------------------|
| Pneumatic connection, port 1 | 1/4 NPT                          |
| Pneumatic connection, port 2 | 1/4 NPT                          |
| Pneumatic connection, port 3 | 1/4 NPT                          |
| Pneumatic connection, port 4 | 1/4 NPT                          |
| Pneumatic connection, port 5 | 1/4 NPT                          |
| Note on materials            | RoHS-compliant                   |
| Material mounting adaptor    | Galvanised steel                 |
| Material cover               | PA-reinforced                    |
| Material seals               | NBR                              |
| Material housing             | Anodised wrought aluminium alloy |