

# Precision pressure regulator MS6N-LRPB-1/2-D2-VS-Z

Part number: 534984

**FESTO**



## Data sheet

| Feature                                           | Value                                                                              |
|---------------------------------------------------|------------------------------------------------------------------------------------|
| Size                                              | 6                                                                                  |
| Series                                            | MS                                                                                 |
| Actuator lock                                     | Rotary knob with detent                                                            |
| Mounting position                                 | Any                                                                                |
| Structural design                                 | Pilot-controlled precision diaphragm regulator                                     |
| Controller function                               | Constant output pressure<br>With secondary exhausting                              |
| Operating pressure                                | 0.1 MPa...1.4 MPa<br>1 bar...14 bar                                                |
| Pressure regulation range                         | 0.05 bar...0.7 bar                                                                 |
| Max. pressure hysteresis                          | 0.02 bar                                                                           |
| Flow rate of secondary venting                    | 220 l/min                                                                          |
| Normal nominal flow rate (normalized to DIN 1343) | 1600 l/min                                                                         |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gases                       |
| Information on operating and pilot media          | Operation with oil lubrication not possible                                        |
| Corrosion resistance class (CRC)                  | 2 - Moderate corrosion stress                                                      |
| LABS (PWIS) conformity                            | VDMA24364-B1/B2-L                                                                  |
| Storage temperature                               | -10 °C...60 °C                                                                     |
| Temperature of medium                             | -10 °C...60 °C                                                                     |
| Ambient temperature                               | -10 °C...60 °C                                                                     |
| Product weight                                    | 850 g                                                                              |
| Type of mounting                                  | Alternatively:<br>Front panel mounting<br>In-line installation<br>With accessories |
| Pneumatic connection 1                            | 1/2 NPT                                                                            |
| Pneumatic connection 2                            | 1/2 NPT                                                                            |
| Pneumatic connection 3                            | G1/4                                                                               |
| Note on materials                                 | RoHS compliant                                                                     |
| Seals material                                    | NBR                                                                                |
| Housing material                                  | Aluminum                                                                           |