

# Precision pressure regulator MS6N-LRPB-1/2-D4-VS-Z

Part number: 534987

FESTO



 [General operating condition](#)

## 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                               | Outlet pressure constant<br>With secondary exhausting      |
| Symbol  | 00991973   |
| Pressure gauge                                    | G1/8 prepared  |
| Operating pressure                                | 0.1 MPa ... 1.4 MPa  |
| Operating pressure                                | 1 bar ... 14 bar   |
| Pressure regulation range                         | 0.05 bar ... 2.5 bar                                       |
| Max. pressure hysteresis                          | 0.02 bar   |
| Flow rate of secondary venting                    | ≥450 l/min   |
| Normal nominal flow rate (normalized to DIN 1343) | ≥2300 l/min  |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gas |
| 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                                  | 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   |