

# Precision pressure regulator MS6N-LRP-1/4-D2-A8

Part number: 538029

**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 ... 0.7 bar                                                                                     |
| Max. pressure hysteresis                 | 0.02 bar                                                                                                 |
| Flow rate of secondary venting           | ≥220 l/min                                                                                               |
| Standard nominal flow rate               | ≥800 l/min                                                                                               |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gas                                               |
| Information on operating and pilot media | Ester oil < 0.1mg/m³, according to ISO 8573-1:2010 [:-:2]<br>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                   | 1/4 NPT                                                                                                  |
| Pneumatic connection 2                   | 1/4 NPT                                                                                                  |
| Pneumatic connection 3                   | G1/4                                                                                                     |
| Note on materials                        | RoHS-compliant                                                                                           |
| Seals material                           | NBR                                                                                                      |
| Housing material                         | Aluminum                                                                                                 |