

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

Part number: 538029

**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                      | Outlet pressure constant<br>With secondary exhausting   |
| Pressure gauge                           | G1/8 prepared   |
| 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   |
| 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                         | Front panel mounting<br>Line installation<br>With accessories<br>Optionally:                              |
| Pneumatic connection 1                   | 1/4 NPT   |
| Pneumatic connection 2                   | 1/4 NPT   |
| Pneumatic connection 3                   | G1/4  |
| Note on materials                        | RoHS-compliant  |

| Feature          | Value    |
|------------------|----------|
| Seals material   | NBR      |
| Housing material | Aluminum |