

# Precision pressure regulator MS6N-LRP-3/8-D5-A8

Part number: 538041

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                         | 0.1 bar ... 4 bar                                                                                                      |
| Max. pressure hysteresis                          | 0.02 bar                                                                                                               |
| Flow rate of secondary venting                    | ≥650 l/min                                                                                                             |
| Normal nominal flow rate (normalized to DIN 1343) | ≥1700 l/min                                                                                                            |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gases                                                           |
| Information on operating and pilot media          | Ester oil < 0.1mg/m <sup>3</sup> , 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                            | 3/8 NPT                                                                                                                |
| Pneumatic connection 2                            | 3/8 NPT                                                                                                                |
| Pneumatic connection 3                            | G1/4                                                                                                                   |
| Note on materials                                 | RoHS-compliant                                                                                                         |
| Seals material                                    | NBR                                                                                                                    |
| Housing material                                  | Aluminum                                                                                                               |