

# Precision pressure regulator MS6-LRP-1/2-D7-A8

Part number: 538026

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  | 00991540  |
| 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 ... 12 bar  |
| Max. pressure hysteresis                          | 0.02 bar  |
| Flow rate of secondary venting                    | ≥900 l/min  |
| Normal nominal flow rate (normalized to DIN 1343) | ≥5000 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 < 0.1 mg/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                            | G1/2  |
| Pneumatic connection 2                            | G1/2  |
| Pneumatic connection 3                            | G1/4  |
| Note on materials                                 | RoHS-compliant  |
| Seals material                                    | NBR   |
| Housing material                                  | Aluminum  |