

# Precision pressure regulator MS6-LRP-1/2-D4-A8-Z

Part number: 538023

FESTO



General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Size  | 6  |
| Series  | MS   |
| Actuator lock   | Rotary knob with detent  |
| Mounting position                                     | optional   |
| Design  | Piloted precision diaphragm control valve  |
| Controller function                                   | Output pressure constant<br>With secondary venting   |
| Symbol  | 00991540   |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL) | Prepared for G1/8  |
| 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 exhaust                        | ≥450 l/min   |
| Standard nominal flow rate (standardised to DIN 1343) | ≥2300 l/min  |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gases   |
| Note on operating and pilot medium                    | Ester oil < 0.1mg/m <sup>3</sup> , according to ISO 8573-1:2010 [-:~:2]<br>Lubricated operation not possible |
| Corrosion resistance class CRC                        | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                                | VDMA24364-B1/B2-L  |
| Storage temperature                                   | -10 °C ... 60 °C   |
| Media temperature                                     | -10 °C ... 60 °C   |
| Ambient temperature                                   | -10 °C ... 60 °C   |
| Product weight  | 850 g  |
| Type of mounting                                      | With accessories   |
| Pneumatic connection, port 1                          | G1/2   |
| Pneumatic connection, port 2                          | G1/2   |
| Pneumatic connection, port 3                          | G1/4   |
| Note on materials                                     | RoHS-compliant   |
| Material seals  | NBR  |
| Material housing                                      | Aluminium  |