

# Pressure regulator MS4-LR-1/4-D6-AG-MPA-B

Part number: 8099359

FESTO



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Size  | 4  |
| Series  | MS   |
| Actuator lock   | Rotary knob with detent  |
| Mounting position   | Any  |
| Design  | Directly actuated piston regulator   |
| Controller function                                       | Output pressure constant<br>With secondary exhausting<br>With return flow function         |
| Symbol  | 00991558   |
| Displayable units   | MPa  |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL)     | With pressure gauge  |
| Operating pressure  | 0.1 MPa ... 1 MPa  |
| Operating pressure  | 1 bar ... 10 bar   |
| Pressure regulation range                                 | 0.3 bar ... 7 bar  |
| Max. pressure hysteresis                                  | 0.05 MPa   |
| Max. pressure hysteresis                                  | 0.5 bar  |
| Max. pressure hysteresis                                  | 7.25 psi   |
| Standard nominal flow rate (standardised to DIN 1343)     | 1800 l/min   |
| Operating medium  | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gas                                     |
| Note on operating and pilot medium                        | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                            | 1 - Low corrosion stress   |
| LABS (PWIS) conformity                                    | VDMA24364-B1/B2-L  |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 7 according to ISO 14644-1   |
| Storage temperature                                       | -5 °C ... 50 °C  |
| Media temperature   | -5 °C ... 50 °C  |
| Ambient temperature                                       | -5 °C ... 50 °C  |
| Product weight  | 165 g  |
| Type of mounting  | With accessories   |
| Pneumatic connection, port 1                              | G1/4   |
| Pneumatic connection, port 2                              | G1/4   |
| Note on materials   | RoHS compliant   |
| Material underneath cover                                 | Process automation   |
| Material seals  | NBR  |

| <b>Feature</b>       | <b>Value</b>                         |
|----------------------|--------------------------------------|
| Material rotary knob | POM                                  |
| Material spring      | High-alloy steel<br>Galvanised steel |
| Material housing     | Reinforced PA                        |
| Material valve stem  | POM                                  |