

# Pressure regulator MS2-LR-M5-D6-AR-BAR-F1A-B

Part number: 8167258

FESTO



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Size  | 2  |
| Series  | MS   |
| Actuator lock   | Rotary knob with detent  |
| Mounting position   | Any  |
| Design  | Directly actuated diaphragm regulator  |
| Controller function                                       | Output pressure constant<br>With secondary exhausting<br>With return flow function |
| Symbol  | 00991558   |
| Displayable units   | bar<br>psi   |
| 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                                 | 0.5 bar ... 7 bar  |
| Max. pressure hysteresis                                  | 0.025 MPa  |
| Max. pressure hysteresis                                  | 0.25 bar   |
| Max. pressure hysteresis                                  | 3.625 psi  |
| Standard nominal flow rate (standardised to DIN 1343)     | 170 l/min  |
| Operating medium  | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gas                             |
| Corrosion resistance class CRC                            | 1 - Low corrosion stress   |
| LABS (PWIS) conformity                                    | VDMA24364-B1/B2-L  |
| Suitability for the production of Li-ion batteries        | Suitable for battery production with reduced Cu/Zn/Ni values (F1a)                 |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 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  | 38.6 g   |
| Type of mounting  | With accessories   |
| Pneumatic connection, port 1                              | M5   |
| Pneumatic connection, port 2                              | M5   |
| 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               |
| Material housing     | Reinforced PA                  |
| Material membrane    | NBR                            |
| Material valve stem  | Wrought aluminium alloy<br>NBR |