

Pressure regulator MS2-LR-M5-D6-AR-MPA-F1A-B

Part number: 8167259

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 With secondary exhausting 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 | 0.5 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] 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 |
| Material rotary knob | POM |

| Feature | Value |
|---------------------|--------------------------------|
| Material spring | High-alloy steel |
| Material housing | Reinforced PA |
| Material membrane | NBR |
| Material valve stem | Wrought aluminium alloy NBR |