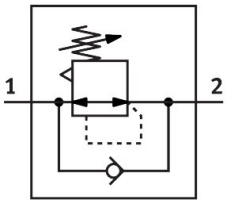
# Pressure regulator
# MS4-LR-1/4-D6-A8-F1A-B

Part number: 8175243






## Data sheet

| Feature | Value |
|---|---|
| Size | 4 |
| Series | MS |
| Actuator lock | Rotary knob with detent |
| Mounting position | Any |
| Structural design | Pressure regulator without pressure gauge<br>Directly controlled piston regulator |
| Controller function | Constant output pressure<br>With secondary exhausting<br>With return flow characteristic |
| Pressure gauge | Set up for G1/8 |
| Operating pressure | 0.1 MPa...1 MPa<br>1 bar...10 bar |
| Pressure regulation range | 0.3 bar...7 bar |
| Max. pressure hysteresis | 0.05 MPa<br>0.5 bar<br>7.25 psi |
| Normal nominal flow rate (normalized to DIN 1343) | 1800 l/min |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gases |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| 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 7 according to ISO 14644-1 |
| Storage temperature | -5 °C...50 °C |
| Temperature of medium | -5 °C...50 °C |
| Ambient temperature | -5 °C...50 °C |
| Product weight | 163 g |
| Type of mounting | Alternatively:<br>Front panel mounting<br>In-line installation<br>With accessories |
| Pneumatic connection 1 | G1/4 |

| Feature | Value |
|---|---|
| Pneumatic connection 2 | G1/4 |
| Note on materials | RoHS compliant |
| Lower cover material | PA |
| Seals material | NBR |
| Rotary knob material | POM |
| Material of spring | high-alloy stainless steel |
| Housing material | PA-reinforced |
| Valve tappet material | POM |