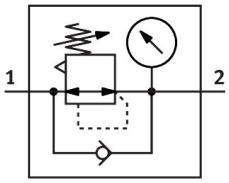
# Pressure regulator
# MS4N-LR-1/4-D7-AS-Z

Part number: 531428






## Data sheet

| Feature | Value |
|---|---|
| Size | 4 |
| Series | MS |
| Actuator lock | Rotary knob with detent<br>can be closed with accessories |
| Mounting position | Any |
| Structural design | Directly controlled diaphragm regulator |
| Controller function | Constant output pressure<br>With secondary exhausting<br>With return flow characteristic |
| Pressure gauge | with pressure gauge |
| Operating pressure | 0.08 MPa...1.4 MPa<br>0.8 bar...14 bar |
| Pressure regulation range | 0.5 bar...12 bar |
| Max. pressure hysteresis | 0.025 MPa<br>0.25 bar<br>3.625 psi |
| Normal nominal flow rate (normalized to DIN 1343) | 1700 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) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Storage temperature | -10 °C...60 °C |
| For use in the food industry | See supplementary material information |
| Temperature of medium | -10 °C...60 °C |
| Ambient temperature | -10 °C...60 °C |
| Product weight | 225 g |
| Type of mounting | Alternatively:<br>Front panel mounting<br>In-line installation<br>With accessories |
| Pneumatic connection 1 | 1/4 NPT |
| Pneumatic connection 2 | 1/4 NPT |
| Note on materials | RoHS compliant |

| Feature | Value |
|---|---|
| Material of sub-base | Die-cast aluminum |
| Material of operator panel | PA<br>POM |
| Seals material | NBR |
| Housing material | Die-cast aluminum |
| Diaphragm material | NBR |