

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

Part number: 8175241

**FESTO**



## Data sheet

| Feature                                                   | Value                                                                                    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------|
| Size                                                      | 4                                                                                        |
| Series                                                    | MS                                                                                       |
| Actuator lock                                             | Rotary knob with detent                                                                  |
| Mounting position                                         | Any                                                                                      |
| Structural design                                         | Pressure regulator with pressure gauge<br>Directly controlled piston regulator           |
| Controller function                                       | Constant output pressure<br>With secondary exhausting<br>With return flow characteristic |
| Displayable unit(s)                                       | bar<br>psi                                                                               |
| Pressure gauge                                            | with pressure gauge                                                                      |
| 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                                            | 165 g                                                                                    |
| Type of mounting                                          | Alternatively:<br>Front panel mounting<br>In-line installation<br>With accessories       |

| Feature                | Value                      |
|------------------------|----------------------------|
| Pneumatic connection 1 | G1/4                       |
| 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                        |