

# Pressure regulator MS6-LR-1/2-D6-A8-F1A-B

Part number: 8175352

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                            | Value                                                                              |
|----------------------------------------------------|------------------------------------------------------------------------------------|
| Size                                               | 6                                                                                  |
| 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                                | Outlet pressure constant<br>With secondary exhausting<br>With return flow function |
| Symbol                                             | 00991559                                                                           |
| Pressure gauge                                     | G1/8 prepared                                                                      |
| Operating pressure                                 | 0.1 MPa ... 1 MPa                                                                  |
| Operating pressure                                 | 1 bar ... 10 bar                                                                   |
| Pressure regulation range                          | 0.3 bar ... 7 bar                                                                  |
| Max. pressure hysteresis                           | 0.035 MPa                                                                          |
| Max. pressure hysteresis                           | 0.35 bar                                                                           |
| Max. pressure hysteresis                           | 5.075 psi                                                                          |
| Standard nominal flow rate                         | 6000 l/min                                                                         |
| Operating medium                                   | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gas                         |
| 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 class                                    | 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                                     | 479 g                                                                              |
| Type of mounting                                   | With accessories                                                                   |
| Pneumatic connection 1                             | G1/2                                                                               |
| Pneumatic connection 2                             | G1/2                                                                               |
| Note on materials                                  | RoHS-compliant                                                                     |
| Lower cover material                               | PA                                                                                 |
| Seals material                                     | NBR                                                                                |

| Feature               | Value                      |
|-----------------------|----------------------------|
| Rotary knob material  | POM                        |
| Material of spring    | High-alloy stainless steel |
| Housing material      | PA-reinforced              |
| Valve tappet material | POM                        |