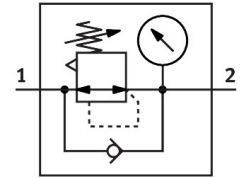


# Pressure regulator MS6-LR-1/2-D6-AG-BAR-B

Part number: 8099205

**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 with pressure gauge<br>Directly controlled piston regulator     |
| Controller function                      | Outlet pressure constant<br>With secondary exhausting<br>With return flow function |
| Symbol                                   | 00991558                                                                           |
| Displayable unit(s)                      | bar<br>psi                                                                         |
| Pressure gauge                           | with pressure gauge                                                                |
| 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                                                                  |
| 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                           | 482 g                                                                              |
| Type of mounting                         | Optionally:<br>Front panel mounting<br>Line installation<br>With accessories       |
| Pneumatic connection 1                   | G1/2                                                                               |
| Pneumatic connection 2                   | G1/2                                                                               |

| Feature               | Value                                 |
|-----------------------|---------------------------------------|
| Note on materials     | RoHS-compliant                        |
| Lower cover material  | PA                                    |
| Seals material        | NBR                                   |
| Rotary knob material  | POM                                   |
| Material of spring    | High-alloy steel<br>Steel, galvanized |
| Housing material      | PA-reinforced                         |
| Valve tappet material | POM                                   |