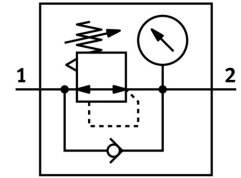


# Pressure regulator MS2-LR-M5-D6-AR-BAR-B

Part number: 8086628

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                          | Value                                                                              |
|----------------------------------|------------------------------------------------------------------------------------|
| Size                             | 2                                                                                  |
| Series                           | MS                                                                                 |
| Actuator lock                    | Rotary knob with detent                                                            |
| Mounting position                | Any                                                                                |
| Structural design                | Directly controlled diaphragm 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        | 0.5 bar ... 7 bar                                                                  |
| Max. pressure hysteresis         | 0.025 MPa                                                                          |
| Max. pressure hysteresis         | 0.25 bar                                                                           |
| Max. pressure hysteresis         | 3.625 psi                                                                          |
| Standard nominal flow rate       | 170 l/min                                                                          |
| Operating medium                 | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gas                         |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress                                                           |
| LABS (PWIS) conformity           | VDMA24364-B1/B2-L                                                                  |
| Cleanroom class                  | Class 4 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                   | 38.6 g                                                                             |
| Type of mounting                 | Optionally:<br>Front panel mounting<br>Line installation<br>With accessories       |
| Pneumatic connection 1           | M5                                                                                 |
| Pneumatic connection 2           | M5                                                                                 |
| Note on materials                | RoHS-compliant                                                                     |
| Lower cover material             | PA                                                                                 |

| Feature               | Value                         |
|-----------------------|-------------------------------|
| Seals material        | NBR                           |
| Rotary knob material  | POM                           |
| Material of spring    | High-alloy steel              |
| Housing material      | PA-reinforced                 |
| Diaphragm material    | NBR                           |
| Valve tappet material | Wrought aluminum alloy<br>NBR |