

# Pressure regulator MS4-LR-1/4-D5

Part number: 589482

**FESTO**



 General operating condition

## Data sheet

| Feature                                  | Value                                                                              |
|------------------------------------------|------------------------------------------------------------------------------------|
| Size                                     | 4                                                                                  |
| 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                                                                           |
| Pressure gauge                           | with pressure gauge                                                                |
| Operating pressure                       | 0.08 MPa ... 1.4 MPa                                                               |
| Operating pressure                       | 0.8 bar ... 14 bar                                                                 |
| Pressure regulation range                | 0.3 bar ... 4 bar                                                                  |
| Max. pressure hysteresis                 | 0.025 MPa                                                                          |
| Max. pressure hysteresis                 | 0.25 bar                                                                           |
| Max. pressure hysteresis                 | 3.625 psi                                                                          |
| Standard nominal flow rate               | 2100 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)         | 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                         | With accessories                                                                   |
| Pneumatic connection 1                   | G1/4                                                                               |
| Pneumatic connection 2                   | G1/4                                                                               |
| Note on materials                        | RoHS-compliant                                                                     |
| Material of sub-base                     | Die-cast aluminum                                                                  |
| Material of operator panel               | PA<br>POM                                                                          |
| Seals material                           | NBR                                                                                |

| Feature            | Value             |
|--------------------|-------------------|
| Housing material   | Die-cast aluminum |
| Diaphragm material | NBR               |