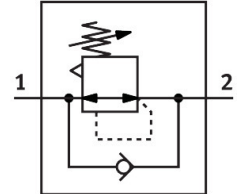


# Pressure regulator MS2-LR-QS6-D6-A8-B

Part number: 8086640

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                               | Value                                                                           |
|-------------------------------------------------------|---------------------------------------------------------------------------------|
| Size                                                  | 2                                                                               |
| Series                                                | MS                                                                              |
| Actuator lock                                         | Rotary knob with detent                                                         |
| Mounting position                                     | optional                                                                        |
| Design                                                | Directly actuated diaphragm regulator                                           |
| Controller function                                   | Output pressure constant<br>With secondary venting<br>With return flow function |
| Symbol                                                | 00991559                                                                        |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL) | Prepared for G1/8                                                               |
| Operating pressure                                    | 0.1 MPa ... 0.8 MPa                                                             |
| Operating pressure                                    | 1 bar ... 8 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 (standardised to DIN 1343) | 350 l/min                                                                       |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gases                        |
| 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                                                                 |
| Media temperature                                     | -5 °C ... 50 °C                                                                 |
| Ambient temperature                                   | -5 °C ... 50 °C                                                                 |
| Product weight                                        | 28.3 g                                                                          |
| Type of mounting                                      | Either:<br>Front panel mounting<br>In-line installation<br>With accessories     |
| Pneumatic connection, port 1                          | QS-6                                                                            |
| Pneumatic connection, port 2                          | QS-6                                                                            |
| Note on materials                                     | RoHS-compliant                                                                  |
| Material underneath cover                             | PA                                                                              |
| Material seals                                        | NBR                                                                             |

| Feature              | Value                          |
|----------------------|--------------------------------|
| Material rotary knob | POM                            |
| Material spring      | High-alloy steel               |
| Material housing     | PA-reinforced                  |
| Material membrane    | NBR                            |
| Material valve stem  | Wrought aluminium alloy<br>NBR |