

# Pressure regulator MS6-LR

Part number: 527663

FESTO



## Data sheet

| Feature   | Value   |
|---|---|
| Size  | 6   |
| Series  | MS  |
| Actuator lock                                     | Rotary knob with detent<br>Rotary knob with integrated lock<br>can be closed with accessories                       |
| Mounting position                                 | Any   |
| Structural design                                 | Pressure regulator with pressure gauge<br>Pressure regulator without pressure gauge                                 |
| Controller function                               | Outlet pressure constant<br>With primary pressure compensation<br>With secondary exhausting                         |
| Pressure gauge                                    | G1/4 prepared<br>G1/8 prepared<br>with pressure sensor<br>with pressure gauge<br>with pressure gauge in rotary knob |
| Operating pressure                                | 0.8 bar...20 bar  |
| Pressure regulation range                         | 0.3 bar...16 bar  |
| Max. pressure hysteresis                          | 0.25 bar  |
| Standard nominal flow rate                        | 2200 l/min...7500 l/min   |
| Certification                                     | c UL us - Recognized (OL)   |
| CE marking (see declaration of conformity)        | as per EU explosion protection directive (ATEX)   |
| UKCA marking (see declaration of conformity)      | acc. to UK EX instructions  |
| Explosion protection certification outside the EU | EPL Db (GB)<br>EPL Gb (GB)  |
| Explosion prevention and protection               | Zone 1 (ATEX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (UKEX)<br>Zone 22 (ATEX)               |
| ATEX category gas                                 | II 2G   |
| ATEX category for dust                            | II 2D   |
| Type of ignition protection for gas               | Ex h IIC T6 Gb X  |
| Type of (ignition) protection for dust            | Ex h IIIC T60°C Db X  |
| Explosive ambient temperature                     | -10°C ≤ Ta ≤ +60°C  |

| <b>Feature</b>                           | <b>Value</b>   |
|--|--|
| 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   |
| Type of mounting                         | Optionally:<br>Front panel mounting<br>Line installation<br>With accessories |
| Note on materials                        | RoHS-compliant   |
| Seals material                           | NBR  |
| Housing material                         | Die-cast aluminum  |
| Diaphragm material                       | NBR  |
| Separating disc material                 | POM  |