

# Pressure regulator MS12-LR

Part number: 535021

FESTO



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature   | Value  |
|---|--|
| Size  | 12   |
| Series  | MS   |
| Actuator lock   | Rotary knob with detent<br>Rotary knob with integrated lock<br>can be closed with accessories                        |
| Mounting position                                     | optional   |
| Design  | Piloted diaphragm regulator  |
| Controller function                                   | Output pressure constant<br>Via primary pressure compensation<br>With secondary venting<br>With return flow function |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL) | With pressure gauge  |
| Operating pressure                                    | 0.08 MPa ... 2.1 MPa   |
| Operating pressure                                    | 0.8 bar ... 21 bar   |
| Pressure regulation range                             | 0.15 bar ... 16 bar  |
| Flow rate of secondary exhaust                        | ≤600 l/min   |
| Standard nominal flow rate (standardised to DIN 1343) | 12000 l/min ... 22000 l/min  |
| CE mark (see declaration of conformity)               | To EU EMC Directive<br>In accordance with EU RoHS Directive  |
| UKCA marking (see declaration of conformity)          | To UK instructions for EMC<br>To UK RoHS instructions  |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gases   |
| Corrosion resistance class CRC                        | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                                | VDMA24364-B1/B2-L  |
| Storage temperature                                   | -10 °C ... 60 °C   |
| Media temperature                                     | -10 °C ... 60 °C   |
| Ambient temperature                                   | -10 °C ... 60 °C   |
| Type of mounting                                      | Either:<br>In-line installation<br>Via mounting bracket  |
| Material covering                                     | PA   |
| Note on materials                                     | RoHS-compliant   |
| Material underneath cover                             | Wrought aluminium alloy  |
| Material seals  | NBR  |
| Material spring                                       | Spring steel   |
| Material housing                                      | Die-cast aluminium   |

| Feature             | Value  |
|---------------------|--|
| Material membrane   | NBR  |
| Material valve stem | Wrought aluminium alloy<br>NBR<br>High-alloy stainless steel |