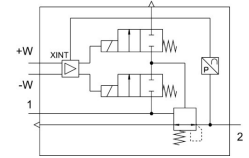


# Pressure regulator MS12-LR-G-PE6

Part number: 564888

**FESTO**



[PDF](#) General operating condition

## Data sheet

| Feature                                               | Value                                                                                                                |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Size                                                  | 12                                                                                                                   |
| Series                                                | MS                                                                                                                   |
| 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 |
| Symbol                                                | 00991856                                                                                                             |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL) | With pressure gauge                                                                                                  |
| Operating pressure                                    | 0.115 MPa ... 0.8 MPa                                                                                                |
| Operating pressure                                    | 1.15 bar ... 8 bar                                                                                                   |
| Pressure regulation range                             | 0.15 bar ... 6 bar                                                                                                   |
| Max. pressure hysteresis                              | 0.004 MPa                                                                                                            |
| Max. pressure hysteresis                              | 0.04 bar                                                                                                             |
| Max. pressure hysteresis                              | 0.58 psi                                                                                                             |
| Flow rate of secondary exhaust                        | ≤600 l/min                                                                                                           |
| Standard nominal flow rate (standardised to DIN 1343) | 12000 l/min ... 21000 l/min                                                                                          |
| Operational voltage range DC                          | 21.6 V ... 26.4 V                                                                                                    |
| Max. electrical power consumption                     | 3.6 W                                                                                                                |
| Max. current consumption                              | 0.15 A                                                                                                               |
| Nominal operating voltage DC                          | 24 V                                                                                                                 |
| Residual ripple                                       | 10 %                                                                                                                 |
| Signal range analogue input                           | 0 - 10 V                                                                                                             |
| KC mark                                               | KC-EMV                                                                                                               |
| 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 ... 50 °C                                                                                                      |
| Degree of protection                                  | IP65                                                                                                                 |

| Feature                      | Value                                                        |
|------------------------------|--------------------------------------------------------------|
| Ambient temperature          | 10 °C ... 50 °C                                              |
| Product weight               | 4000 g                                                       |
| Type of mounting             | Either:<br>In-line installation<br>Via mounting bracket      |
| Pneumatic connection, port 1 | Sub-base                                                     |
| Pneumatic connection, port 2 | Sub-base                                                     |
| 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                                           |
| Material membrane            | NBR                                                          |
| Material valve stem          | Wrought aluminium alloy<br>NBR<br>High-alloy stainless steel |