

# Precision pressure regulator MS6-LRP-1/2-PI10-VS

Part number: 8203862

**FESTO**



## Data sheet

| Feature   | Value   |
|---|---|
| Size  | 6   |
| Series  | MS  |
| Mounting position                                     | optional  |
| Design  | Piloted precision pressure regulator  |
| Controller function                                   | Output pressure constant<br>With secondary venting  |
| Operating pressure                                    | 0.6 MPa...1.1 MPa<br>6 bar...11 bar   |
| Pressure regulation range                             | 0.1 bar...10 bar  |
| Max. pressure hysteresis                              | 0.05 bar  |
| Standard nominal flow rate (standardised to DIN 1343) | 9000 l/min  |
| Operational voltage range DC                          | 21.6 V...26.4 V   |
| Max. electrical power consumption                     | 4.2 W   |
| Max. current consumption                              | 0.16 A  |
| Nominal operating voltage DC                          | 24 V  |
| Residual ripple                                       | 10 %  |
| Signal range analogue input                           | 4 - 20 mA   |
| 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  |
| Note on operating and pilot medium                    | Ester oil < 0.1mg/m <sup>3</sup> , according to ISO 8573-1:2010 [:-:2]<br>Lubricated operation not possible |
| 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   |
| Ambient temperature                                   | 0 °C...60 °C  |
| Product weight  | 800 g   |
| Type of mounting                                      | In-line installation<br>With accessories<br>Either:   |

| Feature                      | Value          |
|------------------------------|----------------|
| Pneumatic connection, port 1 | G1/2           |
| Pneumatic connection, port 2 | G1/2           |
| Pneumatic connection, port 3 | G1/4           |
| Note on materials            | RoHS-compliant |
| Material seals               | NBR            |
| Material housing             | Aluminium      |