

# Pressure regulator MS4-LR-1/8-D7-AS

Part number: 529425

FESTO



General operating condition

## Data sheet

| Feature                                               | Value                                                                                         |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Size                                                  | 4                                                                                             |
| Series                                                | MS                                                                                            |
| Actuator lock                                         | Rotary knob with detent<br>can be closed with accessories                                     |
| Mounting position                                     | optional                                                                                      |
| Design                                                | Directly actuated diaphragm regulator                                                         |
| Controller function                                   | Output pressure constant<br>With secondary venting<br>With return flow function               |
| Symbol                                                | 00991558                                                                                      |
| Pressure gauge (ANALOG) or Pressure display (DIGITAL) | With pressure gauge                                                                           |
| Operating pressure                                    | 0.08 MPa ... 1.4 MPa                                                                          |
| Operating pressure                                    | 0.8 bar ... 14 bar                                                                            |
| Pressure regulation range                             | 0.5 bar ... 12 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) | 1000 l/min                                                                                    |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gases                                      |
| Note on operating and pilot medium                    | Lubricated operation possible (in which case lubricated operation will<br>always be required) |
| Corrosion resistance class CRC                        | 2 - Moderate corrosion stress                                                                 |
| LABS (PWIS) conformity                                | VDMA24364-B1/B2-L                                                                             |
| Storage temperature                                   | -10 °C ... 60 °C                                                                              |
| Suitable for use with food                            | See supplementary material information                                                        |
| Media temperature                                     | -10 °C ... 60 °C                                                                              |
| Ambient temperature                                   | -10 °C ... 60 °C                                                                              |
| Product weight                                        | 225 g                                                                                         |
| Type of mounting                                      | With accessories                                                                              |
| Pneumatic connection, port 1                          | G1/8                                                                                          |
| Pneumatic connection, port 2                          | G1/8                                                                                          |
| Note on materials                                     | RoHS-compliant                                                                                |
| Material sub-base                                     | Die-cast aluminium                                                                            |
| Material control panel                                | PA<br>POM                                                                                     |

| <b>Feature</b>    | <b>Value</b>       |
|-------------------|--------------------|
| Material seals    | NBR                |
| Material housing  | Die-cast aluminium |
| Material membrane | NBR                |