

# Filter regulator MS4-LFR-1/4-D6-ERV-AS-Z

Part number: 529151

FESTO



## Data sheet

| Feature                                           | Value                                                                                    |
|---------------------------------------------------|------------------------------------------------------------------------------------------|
| Size                                              | 4                                                                                        |
| Series                                            | MS                                                                                       |
| Actuator lock                                     | Rotary knob with detent<br>can be closed with accessories                                |
| Mounting position                                 | Vertical $\pm 5^\circ$                                                                   |
| Grade of filtration                               | 40 $\mu\text{m}$                                                                         |
| Condensate drain                                  | Fully automatic<br>Manual, non-detenting                                                 |
| Structural design                                 | Filter regulator with pressure gauge                                                     |
| Max. condensate volume                            | 19 ml                                                                                    |
| Controller function                               | Constant output pressure<br>With secondary exhausting<br>With return flow characteristic |
| Bowl guard                                        | Plastic bowl guard                                                                       |
| Degree of condensate separation                   | 75 %                                                                                     |
| Pressure gauge                                    | with pressure gauge                                                                      |
| Operating pressure                                | 0.2 MPa...1.2 MPa<br>2 bar...12 bar                                                      |
| Pressure regulation range                         | 0.3 bar...7 bar                                                                          |
| Max. pressure hysteresis                          | 0.25 bar                                                                                 |
| Normal nominal flow rate (normalized to DIN 1343) | 1700 l/min                                                                               |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [7:4:-]<br>Inert gases                             |
| Corrosion resistance class (CRC)                  | 2 - Moderate corrosion stress                                                            |
| LABS (PWIS) conformity                            | VDMA24364-B1/B2-L                                                                        |
| Storage temperature                               | -10 °C...60 °C                                                                           |
| For use in the food industry                      | See supplementary material information                                                   |
| Air quality class at the output                   | Compressed air as per ISO 8573-1:2010 [7:4:4]                                            |
| Temperature of medium                             | -10 °C...60 °C                                                                           |
| Ambient temperature                               | -10 °C...60 °C                                                                           |
| Pore size                                         | 40 $\mu\text{m}$                                                                         |
| Product weight                                    | 275 g                                                                                    |
| Type of mounting                                  | Alternatively:                                                                           |

| Feature                        | Value                                                            |
|--------------------------------|------------------------------------------------------------------|
|                                | Front panel mounting<br>In-line installation<br>With accessories |
| Pneumatic connection 1         | G1/4                                                             |
| Pneumatic connection 2         | G1/4                                                             |
| Note on materials              | RoHS compliant                                                   |
| Material of sub-base           | Die-cast aluminum                                                |
| Material of operator panel     | PA<br>POM                                                        |
| Seals material                 | NBR                                                              |
| Compressed air filter material | Protective grounding                                             |
| Housing material               | Die-cast aluminum                                                |
| Diaphragm material             | NBR                                                              |
| Material of bowl               | PC                                                               |
| Separating disc material       | POM                                                              |