

# Filter regulator MS6-LFR-1/2-D6-C-P-VC-A8-B

Part number: 8098303

**FESTO**



## Data sheet

| Feature                                                   | Value                                                                                    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------|
| Size                                                      | 6                                                                                        |
| Series                                                    | MS                                                                                       |
| Actuator lock                                             | Rotary knob with detent                                                                  |
| Mounting position                                         | Vertical $\pm 5^\circ$                                                                   |
| Grade of filtration                                       | 5 $\mu\text{m}$                                                                          |
| Condensate drain                                          | Fully automatic<br>Manual, non-detenting                                                 |
| Structural design                                         | Filter regulator without pressure gauge<br>Directly controlled piston regulator          |
| Max. condensate volume                                    | 27.3 ml                                                                                  |
| Controller function                                       | Constant output pressure<br>With secondary exhausting<br>With return flow characteristic |
| Degree of condensate separation                           | 75 %                                                                                     |
| Pressure gauge                                            | Set up for G1/8                                                                          |
| Operating pressure                                        | 0.2 MPa...1 MPa<br>2 bar...10 bar                                                        |
| Pressure regulation range                                 | 0.3 bar...7 bar                                                                          |
| Max. pressure hysteresis                                  | 0.035 MPa<br>0.35 bar<br>5.075 psi                                                       |
| Normal nominal flow rate (normalized to DIN 1343)         | 4750 l/min                                                                               |
| Operating medium                                          | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gases                             |
| Information on operating and pilot media                  | Compatibility with ester oil not given                                                   |
| Corrosion resistance class (CRC)                          | 1 - Low corrosion stress                                                                 |
| LABS (PWIS) conformity                                    | VDMA24364-B1/B2-L                                                                        |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 7 according to ISO 14644-1                                                         |
| Storage temperature                                       | -5 °C...50 °C                                                                            |
| Air quality class at the output                           | Compressed air as per ISO 8573-1:2010 [6:4:4]                                            |
| Temperature of medium                                     | 5 °C...50 °C                                                                             |
| Ambient temperature                                       | 5 °C...50 °C                                                                             |
| Pore size                                                 | 5 $\mu\text{m}$                                                                          |

| Feature                        | Value                                                                              |
|--------------------------------|------------------------------------------------------------------------------------|
| Product weight                 | 585 g                                                                              |
| Type of mounting               | Alternatively:<br>Front panel mounting<br>In-line installation<br>With accessories |
| Pneumatic connection 1         | G1/2                                                                               |
| Pneumatic connection 2         | G1/2                                                                               |
| Note on materials              | RoHS compliant                                                                     |
| Seals material                 | NBR                                                                                |
| Rotary knob material           | POM                                                                                |
| Material of spring             | High-alloy steel<br>Galvanized steel                                               |
| Compressed air filter material | Protective grounding                                                               |
| Housing material               | PA-reinforced                                                                      |
| Material of bowl               | PC                                                                                 |
| Valve tappet material          | POM                                                                                |