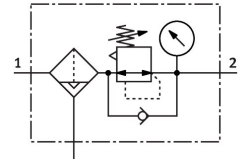


# Filter regulator MS9-LFR-G-D7-CUV-AG-BAR-AS

Part number: 564121

**FESTO**



## Data sheet

| Feature                                                   | Value                                                                                                                          |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Size                                                      | 9                                                                                                                              |
| Series                                                    | MS                                                                                                                             |
| Actuator lock                                             | can be closed with accessories                                                                                                 |
| Mounting position                                         | Vertical $\pm 5^\circ$                                                                                                         |
| Grade of filtration                                       | 5 $\mu\text{m}$                                                                                                                |
| Condensate drain                                          | Fully automatic                                                                                                                |
| Structural design                                         | Pilot-controlled compressed air filter diaphragm regulator                                                                     |
| Max. condensate volume                                    | 220 ml                                                                                                                         |
| Controller function                                       | Constant output pressure<br>With primary pressure compensation<br>With secondary exhausting<br>With return flow characteristic |
| Degree of condensate separation                           | 75 %                                                                                                                           |
| Pressure gauge                                            | with pressure gauge                                                                                                            |
| Operating pressure                                        | 2 bar...12 bar                                                                                                                 |
| Pressure regulation range                                 | 0.5 bar...12 bar                                                                                                               |
| Max. pressure hysteresis                                  | 0.4 bar                                                                                                                        |
| 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                                                                                                              |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 7 according to ISO 14644-1                                                                                               |
| Storage temperature                                       | 5 °C...60 °C                                                                                                                   |
| Air quality class at the output                           | Compressed air as per ISO 8573-1:2010 [6:4:4]                                                                                  |
| Temperature of medium                                     | -10 °C...60 °C                                                                                                                 |
| Ambient temperature                                       | -10 °C...60 °C                                                                                                                 |
| Pore size                                                 | 5 $\mu\text{m}$                                                                                                                |
| Product weight                                            | 2400 g                                                                                                                         |
| Type of mounting                                          | Alternatively:<br>In-line installation<br>With accessories                                                                     |
| Covering material                                         | PA-reinforced                                                                                                                  |
| Material of spin disc                                     | POM                                                                                                                            |

| Feature                        | Value                                |
|--------------------------------|--------------------------------------|
| Material of filter support     | POM                                  |
| Note on materials              | RoHS compliant                       |
| Material of sub-base           | Die-cast aluminum                    |
| Material of mounting bracket   | Die-cast aluminum                    |
| Compressed air filter material | Protective grounding                 |
| Housing material               | Die-cast aluminum                    |
| Module connector material      | Die-cast aluminum                    |
| Diaphragm material             | NBR                                  |
| Material of bowl               | Wrought aluminum alloy               |
| Shell sealing material         | NBR                                  |
| Inspection window material     | PA                                   |
| Separating disc material       | POM                                  |
| Valve tappet material          | Wrought aluminum alloy<br>NBR<br>POM |