

# Filter regulator MS6N-LFR-3/8-D6-ERV-AS

Part number: 531301

FESTO



General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Size  | 6  |
| 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                                  | Manual, non-detenting  |
| Structural design                                 | Filter regulator with pressure gauge                         |
| Max. condensate volume                            | 38 ml  |
| Controller function                               | Constant output pressure<br>With secondary exhausting        |
| Bowl guard  | Plastic bowl guard   |
| Degree of condensate separation                   | $>75\%$  |
| Symbol  | 00991587   |
| Pressure gauge                                    | with pressure gauge  |
| Operating pressure                                | 0.2 MPa ... 1.2 MPa  |
| Operating pressure                                | 2 bar ... 12 bar   |
| Pressure regulation range                         | 0.3 bar ... 7 bar  |
| Max. pressure hysteresis                          | 0.025 MPa  |
| Max. pressure hysteresis                          | 0.25 bar   |
| Max. pressure hysteresis                          | 3.625 psi  |
| Normal nominal flow rate (normalized to DIN 1343) | 5700 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 $^\circ\text{C}$ ... 60 $^\circ\text{C}$                 |
| 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 $^\circ\text{C}$ ... 60 $^\circ\text{C}$                 |
| Ambient temperature                               | -10 $^\circ\text{C}$ ... 60 $^\circ\text{C}$                 |
| Pore size   | $<40\ \mu\text{m}$   |
| Product weight                                    | 875 g  |
| Type of mounting                                  | With accessories   |
| Pneumatic connection 1                            | 3/8 NPT  |
| Pneumatic connection 2                            | 3/8 NPT  |

| <b>Feature</b>                 | <b>Value</b>         |
|--------------------------------|----------------------|
| Note on materials              | RoHS compliant       |
| 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                  |