

Filter regulator MS6-LFR-1/2-D6-E-P-M-AG-MPA-F1A-B

Part number: 8175819

FESTO



 General operating condition

Data sheet

| Feature | Value |
|---|--|
| Size | 6 |
| Series | MS |
| Actuator lock | Rotary knob with detent |
| Mounting position | Vertical $\pm 5^\circ$ |
| Grade of filtration | 40 μm |
| Condensate drain | Manual, rotating |
| Structural design | Directly controlled piston regulator |
| Max. condensate volume | 27.3 ml |
| Controller function | Constant output pressure With secondary exhausting With return flow characteristic |
| Degree of condensate separation | $>75\%$ |
| Symbol | 00991589 |
| Displayable unit(s) | MPa |
| Pressure gauge | with pressure gauge |
| Operating pressure | 0.1 MPa ... 1 MPa |
| Operating pressure | 1 bar ... 10 bar |
| Pressure regulation range | 0.3 bar ... 7 bar |
| Max. pressure hysteresis | 0.035 MPa |
| Max. pressure hysteresis | 0.35 bar |
| Max. pressure hysteresis | 5.075 psi |
| Normal nominal flow rate (normalized to DIN 1343) | 5300 l/min |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] 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 |
| Suitability for the production of Li-ion batteries | Suitable for battery production with reduced Cu/Zn/Ni values (F1a) |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 7 according to ISO 14644-1 |
| Storage temperature | -5 $^\circ\text{C}$... 50 $^\circ\text{C}$ |
| Air quality class at the output | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Temperature of medium | -5 $^\circ\text{C}$... 50 $^\circ\text{C}$ |
| Ambient temperature | -5 $^\circ\text{C}$... 50 $^\circ\text{C}$ |
| Pore size | 40 μm |
| Product weight | 581 g |

| Feature | Value |
|--------------------------------|----------------------------|
| Type of mounting | 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 stainless steel |
| Compressed air filter material | Protective grounding |
| Housing material | PA-reinforced |
| Material of bowl | PC |
| Valve tappet material | POM |