

Filter regulator MS4-LFR-1/4-D6-C-P-M-AG-MPA-F1A-B

Part number: 8175801

FESTO



Data sheet

| Feature | Value |
|--|--|
| Size | 4 |
| Series | MS |
| Actuator lock | Rotary knob with detent |
| Mounting position | Vertical +/- 5° |
| Grade of filtration | 5 µm |
| Condensate drain | Manually rotating |
| Structural design | Filter regulator with pressure gauge Directly controlled piston regulator |
| Max. condensate volume | 16.5 ml |
| Controller function | Outlet pressure constant With secondary exhausting With return flow function |
| Displayable unit(s) | MPa |
| Pressure gauge | with pressure gauge |
| Operating pressure | 0.1 MPa...1 MPa 1 bar...10 bar |
| Pressure regulation range | 0.3 bar...7 bar |
| Max. pressure hysteresis | 0.05 MPa 0.5 bar 7.25 psi |
| Standard nominal flow rate | 1500 l/min |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Suitability for the production of Li-ion batteries | Metals with more than 1% copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils |
| Cleanroom class | 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 |

| Feature | Value |
|--------------------------------|--|
| Product weight | 207 g |
| Type of mounting | Optionally: Front panel mounting Line installation With accessories |
| Pneumatic connection 1 | G1/4 |
| Pneumatic connection 2 | G1/4 |
| Note on materials | RoHS-compliant |
| Seals material | NBR |
| Rotary knob material | POM |
| Material of spring | High-alloy stainless steel |
| Compressed air filter material | PE |
| Housing material | PA-reinforced |
| Material of bowl | PC |
| Valve tappet material | POM |