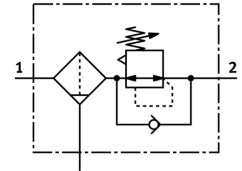


Filter regulator MS6-LFR-1/2-D6-E-P-M-A8-F1A-B

Part number: 8175821

FESTO



[General operating condition](#)

Data sheet

Feature	Value
Size	6
Series	MS
Actuator lock	Rotary knob with detent
Mounting position	Vertical +/- 5°
Grade of filtration	40 µm
Condensate drain	Manually rotating
Structural design	Filter regulator without pressure gauge Directly controlled piston regulator
Max. condensate volume	27.3 ml
Controller function	Outlet pressure constant With secondary exhausting With return flow function
Symbol	00991590
Pressure gauge	G1/8 prepared
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
Standard nominal flow rate	5300 l/min
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas
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	Metals with more than 1% by mass of 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 [7:4:4]
Temperature of medium	-5 °C ... 50 °C
Ambient temperature	-5 °C ... 50 °C
Product weight	578 g

Feature	Value
Type of mounting	Optionally: Front panel mounting Line installation 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	PE
Housing material	PA-reinforced
Material of bowl	PC
Valve tappet material	POM