

# Pressure regulator MS6-LR-1/2-D6-A8-B

Part number: 8099203

FESTO



 [General operating condition](#)

## Data sheet

Feature	Value
Size	6
Series	MS
Actuator lock	Rotary knob with detent
Mounting position	Any
Structural design	Directly controlled piston regulator
Controller function	Constant output pressure With secondary exhausting With return flow characteristic
Symbol	00991559
Pressure gauge	Set up for G1/8
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)	6000 l/min
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gases
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	1 - Low 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 ... 50 °C
Temperature of medium	-5 °C ... 50 °C
Ambient temperature	-5 °C ... 50 °C
Product weight	479 g
Type of mounting	With accessories
Pneumatic connection 1	G1/2
Pneumatic connection 2	G1/2
Note on materials	RoHS compliant
Lower cover material	PA
Seals material	NBR
Rotary knob material	POM

<b>Feature</b>	<b>Value</b>
Material of spring	High-alloy steel Galvanized steel
Housing material	PA-reinforced
Valve tappet material	POM