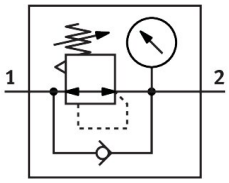
Pressure regulator
MS4-LR-1/4-D6-AG-MPA-F1A-B

Part number: 8175242





Data sheet

Feature	Value
Size	4
Series	MS
Actuator lock	Rotary knob with detent
Mounting position	Any
Structural design	Pressure regulator with pressure gauge Directly controlled piston regulator
Controller function	Constant output pressure With secondary exhausting With return flow characteristic
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
Normal nominal flow rate (normalized to DIN 1343)	1800 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
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 °C...50 °C
Temperature of medium	-5 °C...50 °C
Ambient temperature	-5 °C...50 °C
Product weight	165 g
Type of mounting	Alternatively: Front panel mounting In-line installation With accessories
Pneumatic connection 1	G1/4

Feature	Value
Pneumatic connection 2	G1/4
Note on materials	RoHS compliant
Lower cover material	PA
Seals material	NBR
Rotary knob material	POM
Material of spring	high-alloy stainless steel
Housing material	PA-reinforced
Valve tappet material	POM