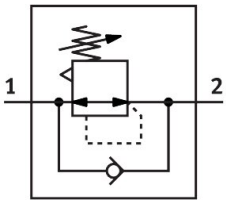
Pressure regulator
MS4-LR-1/4-D6-A8-F1A-B

Part number: 8175243





Data sheet

Feature	Value
Size	4
Series	MS
Actuator lock	Rotary knob with detent
Mounting position	Any
Design	Pressure regulator without pressure gauge Directly actuated piston regulator
Controller function	Output pressure constant With secondary exhausting With return flow function
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	Prepared for G1/8
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 (standardised to DIN 1343)	1800 l/min
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gas
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
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
Media temperature	-5 °C...50 °C
Ambient temperature	-5 °C...50 °C
Product weight	163 g
Type of mounting	Either: Front panel mounting Inline installation With accessories
Pneumatic connection, port 1	G1/4

Feature	Value
Pneumatic connection, port 2	G1/4
Note on materials	RoHS compliant
Material underneath cover	PA
Material seals	NBR
Material rotary knob	POM
Material spring	High-alloy stainless steel
Material housing	Reinforced PA
Material valve stem	POM