Pressure regulator
MS4-LRB

Part number: 527692



Data sheet

Feature	Value
Size	4
Series	MS
Actuator lock	Rotary knob with detent Rotary knob with integrated lock can be closed with accessories
Mounting position	Any
Design	Directly actuated diaphragm regulator With through compressed air supply
Controller function	Output pressure constant With primary pressure compensation With secondary exhausting With return flow function Without secondary exhaust
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	Prepared for G1/4 Prepared for G1/8 Red/green scale With pressure sensor with LCD display With pressure sensor with operational status indicator With pressure gauge
Operating pressure	0.8 bar...14 bar
Pressure regulation range	0.3 bar...12 bar
Max. pressure hysteresis	0.25 bar
Standard nominal flow rate (standardised to DIN 1343)	300 l/min...1900 l/min
Approval	c UL us - Recognised (Oil)
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Explosion protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX)
ATEX category gas	II 2G
ATEX category dust	II 2D

Feature	Value
Explosion ignition protection type for gas	Ex h IIC T6 Gb X
Explosion ignition protection type for dust	Ex h IIIC T60°C Db X
Explosion ambient temperature	-10°C <= Ta <= +60°C
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gas
Note on operating and pilot medium	Ester oil < 0.1mg/m³, according to ISO 8573-1:2010 [-:-:2] Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-10 °C...60 °C
Suitable for use with food	See supplementary material information
Media temperature	-10 °C...60 °C
Ambient temperature	-10 °C...60 °C
Product weight	222 g...347 g
Type of mounting	Either: Front panel mounting Inline installation With accessories
Pneumatic connection, port 1	G1/8 G1/4 G3/8 1/8 NPT 1/4 NPT 3/8 NPT
Pneumatic connection, port 2	G1/4 1/4 NPT QS-6 QS-8 QS-1/4 QS-5/16
Note on materials	RoHS compliant
Material sub-base	Die-cast aluminium
Material control panel	Aluminium PA POM
Material seals	NBR
Material housing	Die-cast aluminium
Material membrane	NBR