Pressure regulator
MS4-LR

Part number: 527690



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	Pressure regulator with pressure gauge
Controller function	Output pressure constant With secondary exhausting With return flow function
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	Prepared for G1/4 Prepared for G1/8 With pressure sensor With pressure gauge
Operating pressure	0.08 MPa...1.4 MPa 0.8 bar...14 bar
Pressure regulation range	0.3 bar...12 bar
Max. pressure hysteresis	0.025 MPa 0.25 bar 3.625 psi
Standard nominal flow rate (standardised to DIN 1343)	1000 l/min...2200 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
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

Feature	Value
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	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	225 g
Type of mounting	Either: Front panel mounting Inline installation With accessories
Note on materials	RoHS compliant
Material sub-base	Die-cast aluminium
Material seals	NBR
Material housing	Die-cast aluminium
Material membrane	NBR