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
Structural design	Pressure regulator with pressure gauge
Controller function	Constant output pressure With secondary exhausting With return flow characteristic
Pressure gauge	Set up for G1/4 Set up 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
Normal nominal flow rate (normalized to DIN 1343)	1000 l/min...2200 l/min
Certification	c UL us - recognized (OL)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
UKCA marking (see declaration of conformity)	acc. to UK EX instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Explosion prevention and 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 for dust	II 2D
Type of ignition protection for gas	Ex h IIC T6 Gb X
Type of (ignition) protection for dust	Ex h IIIC T60°C Db X

Feature	Value
Explosive ambient temperature	-10°C <= Ta <= +60°C
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)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-10 °C...60 °C
For use in the food industry	See supplementary material information
Temperature of medium	-10 °C...60 °C
Ambient temperature	-10 °C...60 °C
Product weight	225 g
Type of mounting	Alternatively: Front panel mounting In-line installation With accessories
Note on materials	RoHS compliant
Material of sub-base	Die-cast aluminum
Seals material	NBR
Housing material	Die-cast aluminum
Diaphragm material	NBR