

Pressure regulator MS12-LR

Part number: 535021

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	12
Series	MS
Actuator lock	Rotary knob with detent Rotary knob with integrated lock can be closed with accessories
Mounting position	Any
Structural design	Pilot-controlled diaphragm regulator
Controller function	Outlet pressure constant With primary pressure compensation With secondary exhausting With return flow function
Pressure gauge	with pressure gauge
Operating pressure	0.08 MPa ... 2.1 MPa
Operating pressure	0.8 bar ... 21 bar
Pressure regulation range	0.15 bar ... 16 bar
Flow rate of secondary venting	≤600 l/min
Standard nominal flow rate	12000 l/min ... 22000 l/min
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-10 °C ... 60 °C
Temperature of medium	-10 °C ... 60 °C
Ambient temperature	-10 °C ... 60 °C
Type of mounting	With mounting bracket
Covering material	PA
Note on materials	RoHS-compliant
Lower cover material	Wrought aluminum alloy
Seals material	NBR
Material of spring	Spring steel
Housing material	Die-cast aluminum
Diaphragm material	NBR

Feature	Value
Valve tappet material	Wrought aluminum alloy NBR High-alloy stainless steel