electrical pressure regulator
MS6N-LRE-1/2-D7-PU
Part number: 536550

FESTO

Indirectly controlled regulators, working pressure up to 12 bar.
Type to be discontinued. Available until 2023. See Support Portal for alternative products.

Data sheet

Feature	Value
Size	6
Series	MS
Assembly position	Any Preferably vertical
Design structure	Electrically adjustable pressure regulator
Short circuit strength	for all electrical connections
Controller function	Output pressure constant with initial pressure compensation with secondary exhaust
Pressure gauge	with pressure gauge
Operating pressure MPa	0.08 ... 2 MPa
Operating pressure	0.8 ... 20 bar
Pressure regulation range	0.5 ... 12 bar
Max. pressure hysteresis	0.25 bar
Standard nominal flow rate	5,500 l/min
Analogue output	0 - 10 V
Duration of control at 25°C	Max. 90 s
Type of inputs	Per IEC 61131-2 No electrical isolation
Nominal operating voltage DC	24 V
Current consumption at nominal operating voltage	Max. 1 A
Current consumption	Max 3.5 A at 24 V DC
Control duration/ interval ratio	1:3
Permissible voltage fluctuation	+/- 10 %
CE mark (see declaration of conformity)	to EU directive for EMC
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Storage temperature	-10 ... 50 °C
Food-safe	See Supplementary material information
Medium temperature	0 ... 50 °C
Protection class	IP65
Ambient temperature	0 ... 50 °C
Product weight	1,280 g
Analogue outputs, absolute accuracy at 25° C	± 3%
Cable interface	Input: M12x1 plug, 5-pin Output: M8x1 plug, 3-pin
Mounting type	Line installation with accessories

Feature	Value
	Optional
Pneumatic connection, port 1	1/2 NPT
Pneumatic connection, port 2	1/2 NPT
Material seals	NBR
Material housing	Aluminium die cast
Material membrane	NBR