

electrical pressure regulator

MS6N-LRE-1/4-D7-PI-Z

Part number: 536536

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 | 2,700 l/min |
| Analogue output | 4 - 20 mA |
| 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 | 1/4 NPT |
| Pneumatic connection, port 2 | 1/4 NPT |
| Material seals | NBR |
| Material housing | Aluminium die cast |
| Material membrane | NBR |