

# Pressure regulator LR-1/2-D-7-I-MIDI-MPA

Part number: 8037019

**FESTO**



## Data sheet

| Feature                                           | Value                                                                                                                          |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Size                                              | Midi                                                                                                                           |
| Series                                            | D                                                                                                                              |
| Actuator lock                                     | Rotary knob with detent                                                                                                        |
| Mounting position                                 | Any                                                                                                                            |
| Structural design                                 | Directly controlled diaphragm regulator                                                                                        |
| Controller function                               | Constant output pressure<br>With primary pressure compensation<br>With secondary exhausting<br>With return flow characteristic |
| Pressure gauge                                    | with pressure gauge                                                                                                            |
| Operating pressure                                | 0 MPa...1.6 MPa<br>0 bar...16 bar                                                                                              |
| Pressure regulation range                         | 0.5 bar...7 bar                                                                                                                |
| Max. pressure hysteresis                          | 0.02 MPa<br>0.2 bar<br>2.9 psi                                                                                                 |
| Normal nominal flow rate (normalized to DIN 1343) | 4000 l/min                                                                                                                     |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gases                                                                   |
| Information on operating and pilot media          | Operation with oil lubrication possible (required for further use)                                                             |
| LABS (PWIS) conformity                            | VDMA24364-B1/B2-L                                                                                                              |
| Air quality class at the output                   | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gases                                                                   |
| Temperature of medium                             | -10 °C...60 °C                                                                                                                 |
| Ambient temperature                               | -10 °C...60 °C                                                                                                                 |
| Product weight                                    | 720 g                                                                                                                          |
| Type of mounting                                  | Front panel mounting<br>In-line installation<br>With accessories                                                               |
| Pneumatic connection 1                            | G1/2                                                                                                                           |
| Pneumatic connection 2                            | G1/2                                                                                                                           |
| Note on materials                                 | RoHS compliant                                                                                                                 |
| Material of sub-base                              | Die-cast zinc                                                                                                                  |
| Seals material                                    | NBR                                                                                                                            |

| Feature          | Value         |
|------------------|---------------|
| Housing material | Die-cast zinc |