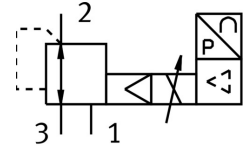


# Proportional-pressure regulator MPPE-3-1/4- -B

Part number: 164331

**FESTO**



 General operating condition

## Data sheet

| Feature                                 | Value                                                                                                        |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Nominal size, supply                    | 7 mm                                                                                                         |
| Nominal size, exhaust                   | 7 mm                                                                                                         |
| Type of actuation                       | Electric                                                                                                     |
| Sealing principle                       | Soft                                                                                                         |
| Mounting position                       | optional                                                                                                     |
| Design                                  | Piloted piston regulator                                                                                     |
| Safety instructions                     | Safety position MPPE-B: if the power supply cable is interrupted, output pressure is maintained unregulated. |
| Symbol                                  | 00995304                                                                                                     |
| Operating pressure                      | 0 bar ... 10 bar                                                                                             |
| Pressure regulation range               | 0 bar ... 10 bar                                                                                             |
| Inlet pressure 1                        | 11 bar ... 12 bar                                                                                            |
| Max. pressure hysteresis                | 0.05 bar                                                                                                     |
| Switching time off                      | 280 ms                                                                                                       |
| Switching time on                       | 160 ms                                                                                                       |
| Operational voltage range DC            | 18 V ... 30 V                                                                                                |
| Reference voltage                       | 10 V                                                                                                         |
| Residual ripple                         | 10 %                                                                                                         |
| SETPOINT/ACTUAL values                  | Either:<br>Voltage type 0 - 10 V<br>Current type 4-20 mA                                                     |
| Operating medium                        | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gases                                                     |
| Approval                                | RCM trademark                                                                                                |
| CE mark (see declaration of conformity) | To EU EMC Directive                                                                                          |
| Corrosion resistance class CRC          | 2 - Moderate corrosion stress                                                                                |
| LABS (PWIS) conformity                  | VDMA24364-B2-L                                                                                               |
| Media temperature                       | 0 °C ... 60 °C                                                                                               |
| Degree of protection                    | IP65                                                                                                         |
| Ambient temperature                     | 0 °C ... 50 °C                                                                                               |
| Product weight                          | 920 g                                                                                                        |
| Electrical connection                   | 8-pin<br>M16x0.75<br>Plugs<br>To DIN 45326<br>Round design                                                   |
| Type of mounting                        | With through-hole                                                                                            |

| Feature                      | Value                   |
|------------------------------|-------------------------|
| Pneumatic connection, port 1 | G1/4                    |
| Pneumatic connection, port 2 | G1/4                    |
| Pneumatic connection, port 3 | G1/4                    |
| Note on materials            | RoHS-compliant          |
| Material housing             | Wrought aluminium alloy |
| Material membrane            | NBR                     |