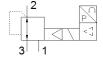
## Proportional pressure regulator MPPE-3-1/2-6-010-B Part number: 161173 Classic - do not use for new projects

Modern alternatives can be found by entering the first four characters of the type code in the search field.





**FESTO** 

## **Data sheet**

| Feature                                      | Value   |
|--|---|
| Nominal diameter, pressurization             | 11 mm   |
| Nominal diameter, exhaust                    | 12 mm   |
| Type of actuation                            | electrical  |
| Sealing principle                            | soft  |
| Assembly position                            | Any   |
| Design structure                             | Piloted piston regulator  |
| Short circuit strength                       | for all electrical connections  |
| Safety instructions                          | MPPE-B safety position: If the power supply cable is interrupted,           |
|  | output pressure is maintained unregulated                                   |
| Polarity protected                           | for all electrical connections  |
| Valve function                               | 3-way closed proportional-pressure regulator                                |
| Operating pressure MPa                       | <= 0.8 MPa  |
| Working pressure                             | <= 8 bar  |
| Pressure regulation range MPa                | 0 0.6 MPa   |
| Pressure regulation range                    | 0 6 bar   |
| Inlet pressure 1                             | 7 8 bar   |
| Supply pressure 1 MPa                        | 0.7 0.8 MPa   |
| Max. pressure hysteresis (MPa)               | 0.004 MPa   |
| Max. pressure hysteresis                     | 0.04 bar  |
| Switching time off                           | 510 ms  |
| Switching time on                            | 170 ms  |
| Operating voltage range DC                   | 18 30 V   |
| Reference voltage                            | 10 V  |
| Residual ripple                              | 10 %  |
| SETPOINT/ACTUAL values                       | Voltage type 0 - 10 V   |
| 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) |
| Authorization                                | RCM Mark  |
| KC mark                                      | KC-EMV  |
| CE symbol (see declaration of conformity)    | according to EU-EMV guideline   |
|  | in accordance with EU RoHS directive  |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC  |
|  | To UK RoHS instructions   |
| Corrosion resistance classification CRC      | 2 - Moderate corrosion stress   |
| PWIS conformity                              | VDMA24364-B2-L  |
| Medium temperature                           | 0 60 °C   |
| Protection class                             | IP65  |
| Ambient temperature                          | 0 50 °C   |
| Product weight                               | 2,400 g   |
| Electrical connection                        | 8-pin   |
|  | M16x0,75  |



| Feature                      | Value                  |
|------------------------------|------------------------|
|                              | Plug                   |
|                              | to DIN 45326           |
|                              | Round design           |
| Mounting type                | with through hole      |
| Pneumatic connection, port 1 | G1/2                   |
| Pneumatic connection, port 2 | G1/2                   |
| Pneumatic connection, port 3 | G1/2                   |
| Materials note               | Conforms to RoHS       |
| Material housing             | Wrought Aluminum alloy |
| Material membrane            | NBR                    |