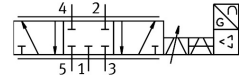


# Proportional directional control valve MPYE-5-1/4-010-B

Part number: 151694

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                               | Value                                                                                                  |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Nominal size                                          | 8 mm                                                                                                   |
| Type of actuation                                     | Electric                                                                                               |
| Sealing principle                                     | Hard                                                                                                   |
| Mounting position                                     | optional                                                                                               |
| Design                                                | Piston gate valve                                                                                      |
| Type of reset                                         | Magnetic spring                                                                                        |
| Safety instructions                                   | Safety position MPYE: if the power supply cable is blocked, the valve assumes the closed mid-position. |
| Type of piloting                                      | Direct                                                                                                 |
| Flow direction                                        | Non-reversible                                                                                         |
| Symbol                                                | 00995308                                                                                               |
| Valve function                                        | 5/3 closed                                                                                             |
| Reverse polarity protection                           | For all electrical connections                                                                         |
| Operating pressure                                    | 0 MPa ... 1 MPa                                                                                        |
| Operating pressure                                    | 0 bar ... 10 bar                                                                                       |
| b value                                               | 0.23                                                                                                   |
| C value                                               | 6.25 l/sbar                                                                                            |
| Standard nominal flow rate (standardised to DIN 1343) | 1400 l/min                                                                                             |
| Limit frequency                                       | 80 Hz                                                                                                  |
| Max. hysteresis                                       | 0.4 %                                                                                                  |
| Operational voltage range DC                          | 17 V ... 30 V                                                                                          |
| Residual ripple                                       | 5 %                                                                                                    |
| SETPOINT/ACTUAL values                                | Voltage type 0 - 10 V                                                                                  |
| Approval                                              | RCM trademark                                                                                          |
| KC mark                                               | KC-EMV                                                                                                 |
| CE mark (see declaration of conformity)               | To EU EMC Directive<br>In accordance with EU RoHS Directive                                            |
| UKCA marking (see declaration of conformity)          | To UK instructions for EMC<br>To UK RoHS instructions                                                  |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [6:4:4]                                                              |
| Note on operating and pilot medium                    | Lubricated operation not possible                                                                      |
| Corrosion resistance class CRC                        | 2 - Moderate corrosion stress                                                                          |
| LABS (PWIS) conformity                                | VDMA24364-B2-L                                                                                         |
| Media temperature                                     | 5 °C ... 40 °C                                                                                         |
| Degree of protection                                  | IP65                                                                                                   |
| Ambient temperature                                   | 0 °C ... 50 °C                                                                                         |

| Feature                      | Value                                   |
|------------------------------|-----------------------------------------|
| Product weight               | 510 g                                   |
| Electrical connection        | 4-pin<br>M12x1<br>Plugs<br>Round design |
| Type of mounting             | With through-hole                       |
| Pneumatic connection, port 1 | G1/4                                    |
| Pneumatic connection, port 2 | G1/4                                    |
| Pneumatic connection, port 3 | G1/4                                    |
| Pneumatic connection, port 4 | G1/4                                    |
| Pneumatic connection, port 5 | G1/4                                    |
| Note on materials            | RoHS-compliant                          |
| Material cover               | ABS<br>Coated                           |
| Material seals               | NBR                                     |
| Material housing             | Anodised                                |