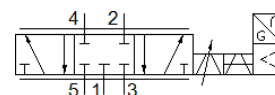


proportional directional control valve

MPYE-5-1/4-420-B

Part number: 161980

FESTO



Data sheet

| Feature | Value |
|---|--|
| Nominal size | 8 mm |
| Type of actuation | electrical |
| Sealing principle | Hard |
| Assembly position | Any |
| Design structure | Piston slide |
| Type of reset | Magnetic spring |
| Safety instructions | MPYE safety position: If the power supply cable is interrupted, travel occurs to the closed mid-position |
| Type of piloting | direct |
| Flow direction | non reversible |
| Valve function | 5/3 closed |
| Polarity protected | for setpoint value |
| Operating pressure | 0 ... 10 bar |
| b value | 0.23 |
| C value | 6.25 l/sbar |
| Standard nominal flow rate | 1,400 l/min |
| Limit frequency | 80 Hz |
| Max. hysteresis | 0.4 % |
| Operating voltage range DC | 17 ... 30 V |
| Residual ripple | 5 % |
| SETPOINT/ACTUAL values | Current type 4 - 20 mA |
| Authorisation | RCM Mark |
| KC mark | KC-EMV |
| CE mark (see declaration of conformity) | to EU directive for EMC |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [6:4:4] |
| Note on operating and pilot medium | Lubricated operation not possible |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| Medium temperature | 5 ... 40 °C |
| Protection class | IP65 |
| Ambient temperature | 0 ... 50 °C |
| Product weight | 510 g |
| Electrical connection | 4-pin M12x1 Plug Round design |
| Mounting type | 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 |
| Materials note | Conforms to RoHS |
| Material cover | ABS coated |
| Material seals | NBR |
| Material housing | Aluminium Anodised |