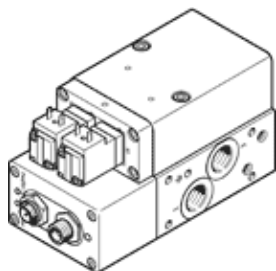


valve unit

VPCB-6-L-8-G38-10-F-D3-T22

Part number: 5318141

FESTO



Data sheet

| Feature | Value |
|--|---|
| Valve function | 3-way proportional-pressure regulator |
| Design structure | Piston slide With built-in pressure sensors |
| Type of piloting | direct |
| Type of actuation | electrical |
| Type of reset | Magnetic spring |
| Flow direction | non reversible |
| Assembly position | Any |
| Sealing principle | Hard |
| Nominal size | 6 mm |
| Short circuit strength | Yes |
| Type of display | LED |
| Standard nominal flow rate | 725 l/min |
| Operating pressure MPa | 0.4 ... 0.8 MPa |
| Working pressure | 4 ... 8 bar |
| Typical lowering speed | 15 mm/s |
| Information on lowering speed | On actuating the manual vent with 80 mm cylinder diameter, 1:1 transmission ratio and 100 kg load. |
| Ambient temperature | 0 ... 50 °C |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [6:4:4] |
| Note on operating and pilot medium | Lubricated operation not possible Maximum particle size: 5 µm |
| Protection class | IP65 |
| Note on degree of protection | in assembled condition |
| 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 |
| PWIS conformity | VDMA24364 zone III |
| Materials note | Conforms to RoHS |
| Vibration resistance | Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 |
| Shock resistance | Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 |
| Corrosion resistance classification CRC | 1 - Low corrosion stress |
| Instructions for use | The product is suitable for industrial purposes only. Measures for interference suppression may be required in residential areas. |
| Nominal operating voltage DC | 24 V |
| Operating voltage range DC | 21.6 ... 26.4 V |
| Residual ripple | 5 % |
| Max. current consumption | 1.2 A |
| Current consumption | 120 mA |
| Polarity protected | for operating voltage |
| Duty cycle | 100 % |

| Feature | Value |
|--|--|
| Max. electrical power consumption | 33.5 W |
| Diagnosis function | Display via LED |
| Max. line length | 30 m |
| Fieldbus interface, type of connection | Plug |
| Fieldbus interface, connection technology | M12x1, A-coded in accordance with EN 61076-2-101 |
| Fieldbus interface, number of pins/wires | 5 |
| Fieldbus interface, protocol | CAN bus with Festo protocol |
| Electrical connection for drive, connection type | Plug socket |
| Electrical connection for drive, connection technology | M12x1, A-coded in accordance with EN 61076-2-101 |
| Electrical connection for drive, number of pins/wires | 8 |
| Electrical connection for valve, connection type | Plug |
| Electrical connection for valve, connection technology | Connection pattern type C to industry standard, 9.4 mm |
| Electrical connection for valve, number of pins/wires | 2 |
| Mounting type | Direct mounting via M5 thread |
| Pneumatic connection, port 1 | G3/8 |
| Pneumatic connection, port 2 | G3/8 |
| Pneumatic connection, port 3 | G3/8 |
| Pneumatic connection for control element | G1/8 |
| Product weight | 1,550 g |
| Material housing | Anodised wrought aluminium alloy |
| Material seals | FPM HNBR NBR |