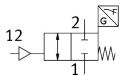
Shut-off valve VBOC-L2-P-M8-G12-E Part number: 8177468

FESTO





Data sheet

| Feature | Value |
|--|--|
| Valve function | 2/2, closed, monostable |
| Pneumatic connection 1 | G1/2 |
| Pneumatic connection 2 | G1/2 |
| Actuation type | Pneumatic |
| Type of mounting | Screw-in With external thread |
| Nominal flow rate standardized according to ISO 8778 | 1470 l/min |
| Standard flow rate 0.6->0 MPa (6->0 bar, 87->0 psi) to ISO 8778 | 2560 l/min |
| Nominal flow rate 2->1 standardized according to ISO 8778 | 1560 l/min |
| Standard flow rate 0.6->0 MPa (6->0 bar, 87->0 psi) 2->1 to ISO 8778 | 2580 l/min |
| Operating pressure | 0.05 MPa1 MPa 0.5 bar10 bar |
| Ambient temperature | -5 °C60 °C |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| CE marking (see declaration of conformity) | As per EU EMC directive As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Mounting position | Any |
| Special features | Resistant to welding spatter |
| Type of seal on screwed plug | Sealing ring |
| Reset method | Mechanical spring |
| Pilot air supply port | External |
| Measuring principle | Inductive |
| Switching element function | N/O contact |
| Rotatability | 360 deg/continuous swiveling not permissible |
| Sensor reverse polarity protection | For all electrical connections |
| Note on forced dynamization | Current information on this issue can be found in Technical Report V |
| Switching position sensing | Normal position with sensor |
| Switch-off pressure | 0.05 MPa0.2 MPa |
| Switch-on pressure | 0.15 MPa0.4 MPa |
| Pneumatic off range | 0.04 MPa |

| Feature | Value |
|--|--|
| Pilot pressure MPa | 0.1 MPa1 MPa |
| Pilot pressure | 1 bar10 bar |
| Pilot pressure psi | 14.5 psi145 psi |
| Switching time off | 34 ms |
| On switching time | 11 ms |
| Nominal operating voltage DC | 24 V |
| Switching output | PNP |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Suitability for the production of Li-ion batteries | Metals with more than 1% by mass of copper, zinc or nickel are excluded from use.The exceptions are nickel in steel, chemically nickel-plated surfaces, circuit boards, cables, electrical plug connectors and coils |
| Temperature of medium | -5 °C60 °C |
| Pilot medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Nominal tightening torque | 23 Nm |
| Tolerance for nominal tightening torque | ± 20% |
| Permissible actuation moment, adjusting screw | 2 Nm |
| Product weight | 238.5 g |
| DC sensor operating voltage range | 10 V30 V |
| Sensor short circuit protection | yes |
| Sensor idle current | 10 mA |
| Max. output current, sensor | 200 mA |
| Sensor voltage drop | 3 V |
| Electrical connection 1, function | Switching output |
| Electrical connection 1, connection type | Cable with plug |
| Electrical connection 1, connection technology | M8x1 A-coded as per EN 61076-2-104 |
| Electrical connection 1, number of pins/wires | 3 |
| Electrical connection 1, occupied pins/wires | 3 |
| Cable length | 0.3 m |
| Pilot air port 12 | G1/8 |
| Note on materials | RoHS-compliant |
| Seals material | HNBR NBR TPE-U(PU) |
| Hollow bolt material | Wrought aluminum alloy |
| Material of cable sheath | PVC |
| Swivel joint material | Wrought aluminum alloy |
| Sensor holder material | High-alloy stainless steel |
| Locking nut material | High-alloy stainless steel |