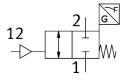
## Shut-off valve VBOC-L2-P-M8-G38-E Part number: 8177470

## **Data sheet**

| Feature  | Value  |
|--|--|
| Valve function   | 2/2, closed, monostable  |
| Pneumatic connection 1   | G3/8   |
| Pneumatic connection 2   | G3/8   |
| Actuation type   | Pneumatic  |
| Type of mounting   | Screw-in<br>With external thread                                     |
| Nominal flow rate standardized according to ISO 8778                 | 1000 l/min   |
| Standard flow rate 0.6->0 MPa (6->0 bar, 87->0 psi) to ISO 8778      | 1740 l/min   |
| Nominal flow rate 2->1 standardized according to ISO 8778            | 1090 l/min   |
| Standard flow rate 0.6->0 MPa (6->0 bar, 87->0 psi) 2->1 to ISO 8778 | 1740 l/min   |
| Operating pressure   | 0.05 MPa1 MPa<br>0.5 bar10 bar                                       |
| Ambient temperature  | -5 ℃60 ℃   |
| Operating medium   | Compressed air as per ISO 8573-1:2010 [7:4:4]                        |
| CE marking (see declaration of conformity)                           | As per EU EMC directive<br>As per EU RoHS directive                  |
| UKCA marking (see declaration of conformity)                         | To UK instructions for EMC<br>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   |

## **FESTO**



| Feature  | Value  |
|--|--|
| Pilot pressure MPa                                 | 0.1 MPa1 MPa   |
| Pilot pressure                                     | 1 bar10 bar  |
| Pilot pressure psi                                 | 14.5 psi145 psi  |
| Switching time off                                 | 25 ms  |
| On switching time                                  | 10 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                          | 13 Nm  |
| Tolerance for nominal tightening torque            | ± 20%  |
| Permissible actuation moment, adjusting screw      | 2 Nm   |
| Product weight                                     | 133.1 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<br>NBR<br>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   |