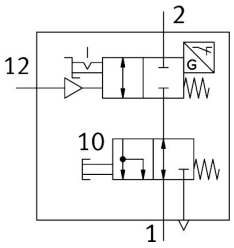
Shut-off valve
VBOC-L2-S7-P-M8-G18-E

Part number: 8179237



Data sheet

Feature	Value
Valve function	2/2, closed, monostable
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Actuation type	Pneumatic
Type of mounting	Screw-in With external thread
Nominal flow rate standardized according to ISO 8778	290 l/min
Standard flow rate 0.6->0 MPa (6->0 bar, 87->0 psi) to ISO 8778	500 l/min
Nominal flow rate 2->1 standardized according to ISO 8778	330 l/min
Standard flow rate 0.6->0 MPa (6->0 bar, 87->0 psi) 2->1 to ISO 8778	500 l/min
Operating pressure	0.05 MPa...1 MPa 0.5 bar...10 bar
Ambient temperature	-5 °C...60 °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
Selection of additional function 2	Manual exhaust
Special features	Resistant to welding spatter
Type of seal on screwed plug	Sealing ring
Manual override	Detenting
Reset method	Mechanical spring
Pilot air supply port	External
Manual exhaust function	Non-detenting
Measuring principle	Inductive
Switching element function	N/O contact
Rotatability	360 deg/continuous swiveling not permissible
Sensor reverse polarity protection	For all electrical connections

Feature	Value
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 MPa...0.2 MPa
Switch-on pressure	0.15 MPa...0.4 MPa
Pneumatic off range	0.04 MPa
Pilot pressure MPa	0.2 MPa...1 MPa
Pilot pressure	2 bar...10 bar
Pilot pressure psi	29 psi...145 psi
Switching time off	15 ms
On switching time	8 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	Product corresponds to Festo's internal product definition for use in battery production: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 °C...60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Nominal tightening torque	6 Nm
Tolerance for nominal tightening torque	± 20%
Permissible actuation moment, adjusting screw	0.5 Nm
Product weight	57.1 g
DC sensor operating voltage range	10 V...30 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
Knurled nut material	Wrought aluminium alloy
Swivel joint material	Wrought aluminum alloy
Sensor holder material	High-alloy stainless steel
Locking nut material	High-alloy stainless steel