

Valve VOFC-L

Part number: 3344863

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Valve function	3/2-way, closed, monostable 5/2 bistable 5/2-way, monostable
Type of actuation	Electric
Construction width	40 mm
Standard nominal flow rate (standardised to DIN 1343)	913 l/min ... 1030 l/min
pneumatic working port	Sub-base G1/4 1/4 NPT
Operating pressure	0.25 MPa ... 1 MPa
Operating pressure	2.5 bar ... 10 bar
Operating pressure	36.25 psi ... 145 psi
Design	Piston gate valve
Type of reset	Mechanical spring
Degree of protection	IP50 IP65
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
Explosion protection certification outside the EU	EPL Db (IEC-EX) EPL Db (KR) EPL Gb (IECEX) EPL Gb (KR)
Certificate issuing authority	BVS14ATEXE098X IECEX BVS14.0063X KGS15-GA4BO-0565X
ATEX category gas	II 2G
ATEX category dust	II 2D
Explosion ignition protection type for gas	Ex i IIC T6, T5 Gb
Explosion ignition protection type for dust	Ex ia IIIC T85°C, T125°C Db
Explosion ambient temperature	T5, T125 °C: -40 °C ≤ Ta ≤ +70 °C T6, T85 °C: -40 °C ≤ Ta ≤ +30 °C
Nominal size	6 mm
Sealing principle	Soft
Mounting position	optional
Manual override	Detenting None Non-detenting
Type of piloting	Pilot actuated
Pilot air supply	External Internal

Feature	Value
Flow direction	Non-reversible
Flow rate Kv pressurisation	0.66 m³/h ... 1.08 m³/h
Flow rate Kv exhaust	0.66 m³/h ... 1.08 m³/h
Standard nominal flow rate 2-3	978 l/min ... 983 l/min
Switching time off	22 ms
Switching time on	26 ms
Explosion protection	Zone 1 (ATEX) Zone 1 (IEC-EX) Zone 1 (KR) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (IEC-EX) Zone 21 (KR) Zone 22 (ATEX)
Operating medium	Compressed air to ISO 8573-1:2010 [7:2:2]
Corrosion resistance class CRC	4 - Very high corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Media temperature	-25 °C ... 60 °C
Ambient temperature	-25 °C ... 60 °C
Product weight	430 g ... 960 g
Pneumatic connection, port 1	G1/4 1/4 NPT
Pneumatic connection, port 2	Flange 1/4 G1/4 1/4 NPT NAMUR port pattern
Pneumatic connection, port 3	G1/4 1/4 NPT
Pneumatic connection, port 4	Flange 1/4 G1/4 1/4 NPT NAMUR port pattern
Pneumatic connection, port 5	G1/4 1/4 NPT
Note on materials	RoHS-compliant
Material seals	EPDM NBR VMQ
Material housing	PBT-reinforced