

Valve VOFC-LT-M32C-

Part number: 2868687

FESTO



Data sheet

Feature	Value
Valve function	3/2-way, closed, monostable
Type of actuation	Electric
Construction width	51 mm
Standard nominal flow rate (standardised to DIN 1343)	595 l/min...2794 l/min
pneumatic working port	Sub-base G1/4 G1/2 1/4 NPT 1/2 NPT
Operating pressure	0.1 MPa...0.8 MPa 1 bar...8 bar 14.5 psi...116 psi
Design	Piloted piston poppet 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 TÜV 968/V 1251.00/24
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...12 mm
Sealing principle	Hard
Mounting position	optional
Manual override	None

Feature	Value
Type of piloting	Pilot actuated
Pilot air supply	External Internal
Flow direction	Non-reversible
Safety function	Safe venting
Safety Integrity Level (SIL)	Up to SIL 3 High Demand mode To SIL 3 Low Demand mode
Note on operating pressure	0 - 0.8 MPa with ext. pilot air
Flow rate Kv pressurisation	0.54 m³/h...2.56 m³/h
Flow rate Kv exhaust	0.54 m³/h...2.56 m³/h
Standard nominal flow rate 2-3	1066 l/min...4224 l/min
Switching time off	14 ms...18 ms
Switching time on	24 ms...25 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	550 g...985 g
Pneumatic connection, port 1	M5 G1/4 G1/2 1/4 NPT 1/2 NPT NAMUR port pattern
Pneumatic connection, port 2	Flange 1/4 Flange 1/2 G1/4 G1/2 1/4 NPT 1/2 NPT NAMUR port pattern
Pneumatic connection, port 3	G1/4 G1/2 1/4 NPT 1/2 NPT
Note on materials	RoHS-compliant
Material seals	EPDM NBR VMQ
Material housing	Ematal coated aluminium PBT-reinforced High-alloy stainless steel