

# Pneumatic valve VL/O-3-1/8-B-EX

Part number: 536028

FESTO



General operating condition

## Data sheet

Feature	Value
Valve function	3/2-way, monostable, open/closed
Type of actuation	Pneumatic
Construction width	26 mm
Standard nominal flow rate (standardised to DIN 1343)	500 l/min
pneumatic working port	G1/8
Operating pressure	-0.095 MPa ... 1 MPa
Operating pressure	-0.95 bar ... 10 bar
Design	Poppet seat
Type of reset	Mechanical spring
Degree of protection	IP65
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
ATEX category gas	II 2G
ATEX category dust	II 2D
Explosion ignition protection type for gas	Ex h IIC T4 Gb
Explosion ignition protection type for dust	Ex h IIIC T130°C Db
Explosion ambient temperature	-10°C ≤ Ta ≤ +60°C
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Nominal size	5 mm
Grid dimension	27 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Type of piloting	Direct
Pilot air supply	External
Flow direction	Reversible
Symbol	00991030
lap	Underlap
Pilot pressure	0.1 MPa ... 1 MPa
Pilot pressure	1 bar ... 10 bar
Max. switching frequency	12 Hz
Switching time off	10 ms
Switching time on	4 ms
Max. positive test pulse with 0 signal	2200 μs
Max. negative test pulse with 1 signal	3700 μs

Feature	Value
Explosion protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX)
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C ... 60 °C
Media temperature	-10 °C ... 60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C ... 60 °C
Product weight	150 g
Type of mounting	On PR rail With through-hole
Breather connection	M3
Pilot air port 110	G1/8
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 11	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Pneumatic port 33	G1/8
Note on materials	RoHS compliant
Material seals	NBR
Material housing	Die-cast aluminium