

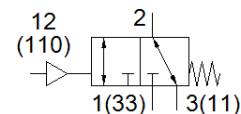
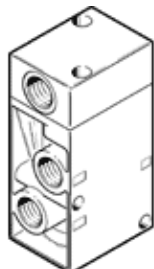
# Pneumatic valve

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

Part number: 536028

FESTO

Depending on the choice of connection, normally-open or normally-closed function.



## Data sheet

Feature	Value
Valve function	3/2 open/closed, monostable
Type of actuation	pneumatic
Width	26 mm
Standard nominal flow rate	500 l/min
Operating pressure MPa	-0.095 ... 1 MPa
Working pressure	-0.95 ... 10 bar
Design structure	Poppet seat
Type of reset	mechanical spring
Protection class	IP65
CE symbol (see declaration of conformity)	according to EU-Ex protection guideline (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 Gas	Ex h IIC T4 Gb
Explosion ignition protection type Dust	Ex h IIIC T130°C Db
Explosion-proof 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	throttleable
Sealing principle	soft
Assembly position	Any
Type of piloting	direct
Pilot air supply	external
Flow direction	reversible
Lap	Underlap
Pilot pressure MPa	0.1 ... 1 MPa
Pilot pressure	1 ... 10 bar
Max. switching frequency	12 Hz
Switching time off	10 ms
Switching time on	4 ms
Max. positive test pulse with logic 0	2,200 μs
Max. negative test pulse with logic 1	3,700 μs
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Storage temperature	-20 ... 60 °C
Medium temperature	-10 ... 60 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-10 ... 60 °C

Feature	Value
Product weight	150 g
Mounting type	On PR manifold with through hole Optional
Scavenging orifice connection	M5
Pilot air connection: 110	G1/8
Pneumatic connection, port 1	G1/8
Pneumatic connection, 11	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Pneumatic connection, 33	G1/8
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Aluminum die cast