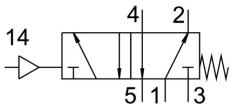
Pneumatic valve
VL-5-1/2-EX

Part number: 536034





Data sheet

Feature	Value
Valve function	5/2, monostable
Actuation type	Pneumatic
Width	52 mm
Standard nominal flow rate	3700 l/min
Pneumatic working port	G1/2
Operating pressure	0 MPa ... 1 MPa
Operating pressure	0 bar ... 10 bar
Structural design	Plate seat
Reset method	Mechanical spring
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
ATEX category gas	II 2G
ATEX category for dust	II 2D
Type of ignition protection for gas	Ex h IIC T4 Gb
Type of (ignition) protection for dust	Ex h IIIC T130°C Db
Explosive ambient temperature	-10°C <= Ta <= +60°C
Nominal width	14 mm
Width dimension	69 mm
Type code	VL
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	None
Type of control	Direct
Pilot air supply port	External
Flow direction	Non-reversible
Symbol	00991001
Lap	Underlap
Pilot pressure MPa	0.12 MPa ... 1 MPa
Pilot pressure	1.2 bar ... 10 bar
b-value	0.32
C value	17.65 l/sbar
Switching time off	27 ms
On switching time	3 ms

Feature	Value
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	1 - Low corrosion stress
Storage temperature	-20 °C ... 60 °C
Temperature of medium	-10 °C ... 60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C ... 60 °C
Product weight	1070 g
Type of mounting	Optionally: On terminal strip With through-hole
Venting hole connection	M3
Pilot air port 14	G1/4
Pneumatic connection 1	G1/2
Pneumatic connection 2	G1/2
Pneumatic connection 3	G1/2
Pneumatic connection 4	G1/2
Pneumatic connection 5	G1/2
Note on materials	RoHS-compliant
Seals material	NBR TPE-U(PU)
Housing material	Die-cast aluminum