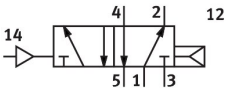
Pneumatic valve
VL-5/2-D-3-C-EX

Part number: 536009





Data sheet

Feature	Value
Valve function	5/2-way, monostable
Actuation type	Pneumatic
Width	65 mm
Normal nominal flow rate (normalized to DIN 1343)	4500 l/min
Pneumatic working port	Sub-base, size 3 as per ISO 5599-1 G1/2
Operating pressure	0.2 MPa...1.6 MPa 2 bar...16 bar
Structural design	Piston gate valve
Reset method	Pneumatic spring
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
UKCA marking (see declaration of conformity)	acc. to UK EX instructions
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
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Nominal width	14.5 mm
Width dimension	71 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1
Manual override	None
ISO code	302
Type of control	directly
Flow direction	Non-reversible
Lap	Positive overlap
Pilot pressure MPa	0.2 MPa...1.6 MPa
Pilot pressure	2 bar...16 bar

Feature	Value
Switching time off	36 ms
On switching time	29 ms
Explosion prevention and protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) 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)
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-10 °C...60 °C
Noise level	85 dB(A)
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C...60 °C
Product weight	810 g
Type of mounting	On sub-base With through-hole and screw
Pilot air port 14	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 1	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 2	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 3	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 4	Sub-base, size 3 as per ISO 5599-1
Pneumatic connection 5	Sub-base, size 3 as per ISO 5599-1
Note on materials	RoHS compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum