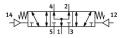
## Pneumatic valve VL-5/3B-D-2-C-EX Part number: 536026

## **Data sheet**

Actuation typePneWidth54 rStandard nominal flow rate230Pneumatic working portSub G3/Operating pressure-0.0 -0.9Structural designPistReset methodMecCE marking (see declaration of conformity)as pUKCA marking (see declaration of conformity)acc.ATEX category gasII 20ATEX category for dustII 21Type of ignition protection for gasEx hExplosive ambient temperature-10°Explosion protection certification outside the EUEPLNominal width11.5	00 l/min b-base, size 2 according to ISO 5599-1
Width54 rStandard nominal flow rate230Pneumatic working portSub G3/Operating pressure-0.0 -0.9Structural designPistReset methodMecCE marking (see declaration of conformity)as pUKCA marking (see declaration of conformity)acc.ATEX category gasII 2CType of ignition protection for gasEx hType of (ignition) protection for dustEx hExplosive ambient temperature-10°Explosion protection certification outside the EUEPLNominal width11.1	mm 00 l/min b-base, size 2 according to ISO 5599-1 /8 09 MPa1.6 MPa 9 bar16 bar ton gate valve chanical spring
Standard nominal flow rate       230         Pneumatic working port       Sub G3/         Operating pressure       -0.0 -0.9         Structural design       Pist         Reset method       Mec         CE marking (see declaration of conformity)       as p         UKCA marking (see declaration of conformity)       acc.         ATEX category gas       II 2C         Type of ignition protection for gas       Ex h         Type of (ignition) protection for dust       Ex h         Explosive ambient temperature       -10°         Explosion protection certification outside the EU       EPL EPL         Nominal width       11.1	00 l/min b-base, size 2 according to ISO 5599-1 /8 09 MPa1.6 MPa 9 bar16 bar ton gate valve chanical spring
Pneumatic working port       Sub G3/         Operating pressure       -0.0         Operating pressure       -0.0         Structural design       Pist         Reset method       Mec         CE marking (see declaration of conformity)       as p         UKCA marking (see declaration of conformity)       acc.         ATEX category gas       II 2C         Type of ignition protection for gas       Ex h         Type of (ignition) protection for dust       Ex h         Explosive ambient temperature       -10°         Explosion protection certification outside the EU       EPL         Nominal width       11.1	b-base, size 2 according to ISO 5599-1 /8 09 MPa1.6 MPa 9 bar16 bar ton gate valve chanical spring
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-0.9Structural designReset methodCE marking (see declaration of conformity)uKCA marking (see declaration of conformity)acc.ATEX category gasII 2CATEX category for dustII 2IType of ignition protection for gasEx hExplosive ambient temperature-10°Explosion protection certification outside the EUEVNominal width11.5	9 bar16 bar ton gate valve chanical spring
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UKCA marking (see declaration of conformity)       acc.         ATEX category gas       II 20         ATEX category for dust       II 21         Type of ignition protection for gas       Ex h         Type of (ignition) protection for dust       Ex h         Explosive ambient temperature       -10°         Explosion protection certification outside the EU       EPL         EV       Nominal width       11.1	ner ELL explosion protection directive (ATEX)
ATEX category gas       II 20         ATEX category for dust       II 21         Type of ignition protection for gas       Ex h         Type of (ignition) protection for dust       Ex h         Explosive ambient temperature       -10°         Explosion protection certification outside the EU       EPL         Nominal width       11.5	
ATEX category for dust       II 2I         Type of ignition protection for gas       Ex h         Type of (ignition) protection for dust       Ex h         Explosive ambient temperature       -10°         Explosion protection certification outside the EU       EPL         Nominal width       11.1	:. to UK EX instructions
Type of ignition protection for gas       Ex h         Type of (ignition) protection for dust       Ex h         Explosive ambient temperature       -10°         Explosion protection certification outside the EU       EPL         Evaluation width       11.5	G
Type of (ignition) protection for dust       Ex h         Explosive ambient temperature       -10°         Explosion protection certification outside the EU       EPL         Nominal width       11.5	D
Explosive ambient temperature     -10°       Explosion protection certification outside the EU     EPL       Nominal width     11.5	h IIC T4 Gb
Explosion protection certification outside the EU EPL EPL EPL Nominal width 11.5	h IIIC T130°C Db
EPL Nominal width	°C <= Ta <= +60°C
	L Db (GB) L Gb (GB)
	.5 mm
Width dimension 56 r	mm
Exhaust air function With	th flow control option
Sealing principle Soft	ft
Mounting position Any	y
Conforms to standard ISO	) 5599-1
Manual override Non	ne
ISO code 207	7
Type of control Dire	ect
Flow direction Rev	versible
Lap Ove	erlap
Pilot pressure 3 ba	ar16 bar
Switching time off 57 r	

## FESTO



Feature	Value
On switching time	15 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 °C60 °C
Noise level	85 dB(A)
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C60 °C
Product weight	825 g
Type of mounting	On sub-base With through-hole and screw
Pilot air port 12	Sub-base, size 2 as per ISO 5599-1
Pilot air port 14	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 1	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 2	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 3	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 4	Sub-base, size 2 as per ISO 5599-1
Pneumatic connection 5	Sub-base, size 2 as per ISO 5599-1
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum