

# Pneumatic valve

## JH-5-1/2-EX

Part number: 536037

FESTO



[General operating condition](#)

## Data sheet

Feature	Value
Valve function	5/2, bistable
Actuation type	Pneumatic
Width	52 mm
Normal nominal flow rate (normalized to DIN 1343)	4500 l/min
Pneumatic working port	G1/2
Operating pressure	0 MPa ... 1 MPa
Operating pressure	0 bar ... 10 bar
Structural design	Plate seat
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 mm
Width dimension	69 mm
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting
Type of control	Direct
Pilot air supply port	External
Flow direction	Non-reversible
Symbol	00995757
Lap	Underlap
Pilot pressure MPa	0.12 MPa ... 1 MPa
Pilot pressure	1.2 bar ... 10 bar
b-value	0.3
Max. switching frequency	12 Hz
Changeover time	3 ms

Feature	Value
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)
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
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	1130 g
Type of mounting	On terminal strip With through-hole
Auxiliary pilot air port 12	G1/4
Auxiliary pilot air port 14	G1/4
Venting hole connection	M3
Pilot air port 12	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