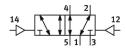
Pneumatic valve J-5-3/8-B-EX Part number: 536045

FESTO





General operating condition

Data sheet

Figure of actuation Construction width A mm Standard nominal flow rate (standardised to DIN 1343) Deparating pressure O.09 MPa 1 MPa Operating pressure O.99 bar 10 bar Piston gate valve Et arrik (see declaration of conformity) INCKA marking stave IN EX IN INT IN	Feature	Value
Autority of the standard nominal flow rate (standardised to DIN 1343) 2000 l/min concumulatic working port 363/8 2000 l/min concumulatic working port 398 a 1 MPa 2000 perating pressure 2009 par 1 MPa 2019 perating pressure 2019 perating pressure 2019 perating pressure 2019 perating pressure 2019 parting pressure 2019 perating pressure 2019 perating pressure 2019 parting deservative 2020 perating pressure 2020 perating pressure 2020 perating pressure 2020 perating pressure 2020 parting deservative 2021 perating deservative 2021 perating pressure 2022 perating pressure 2023 perating pressure 2024 perating pressure 2025 perating pressure 2025 perating pressure 2026 perating preseure 2027 perating preseure 2028 perating preseure 2029 perating preseure 2	Valve function	5/2 bistable
Standard nominal flow rate (standardised to DIN 1343) Denating pressure O.9 MPa 1 MPa O.9 perating pressure O.9 bar 10 bar Pesign Piston gate valve E mark (see declaration of conformity) To EU Explosion Protection Directive (ATEX) JKCA marking (see declaration of conformity) To UK EX instructions ATEX category gas II 20 Explosion ignition protection type for gas Explosion ignition protection type for gas Explosion ignition protection type for dust Explosion ambient temperature 10° C = Ta C + 60° C Explosion protection certification outside the EU EPL Db (GB) EPL Db (GB) EPL Db (GB) EPL db (GB) Soft Mounting position Moun	Type of actuation	Pneumatic
Operating pressure Operating protection of conformity) Operating pressure Operating Ope	Construction width	40 mm
Operating pressure Operating preserve Operating preserve Operating preserve Operating preserve Operating preserve Operating operation Operating Operating Operating Operation Operating Operation Operating Operation Operation Operation Operating Operation Operat	Standard nominal flow rate (standardised to DIN 1343)	2000 l/min
Departing pressure Design Piston gate valve To EU Explosion Protection Directive (ATEX) To EU Explosion Protection Directive (ATEX) To UK EX instructions ATEX category gas II 2G ATEX category dust II 2D Explosion ignition protection type for gas Explosion ignition protection type for dust Explosion ambient temperature 10 °C ← Ta ← +60 °C Explosion protection certification outside the EU EPL Db (GB) FPL Gb (GB) Nominal size 12 mm Grid dimension 41 mm Exhaust-air function With flow control option Sealing principle Mounting position Mounting position Mounting position Mounting position Pilot air supply External Pilot air supply External Avex-switching frequency 3 Hz Switching time reversal Explosion protection Zone 1 (AFEX) Zone 2 (AIEX) Zone 2 (AIEX) Zone 21 (IVEX) Zone 22 (AIEX)	pneumatic working port	G3/8
Piston gate valve Te mark (see declaration of conformity) To EU Explosion Protection Directive (ATEX) JKCA marking (see declaration of conformity) To LIK EX instructions ATEX category gas II 2G ATEX category dust II 2D Explosion ignition protection type for gas Exh IIC T4 Gb Explosion ignition protection type for dust Explosion ambient temperature -10 °C <= Ta <= +60 °C Explosion protection certification outside the EU EPL Db (GB) EPL Db (GB) EPL Gb (GB) AI mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Annual override None Pipe of piloting Pilot air supply External Flow direction Reversible Symbol AOS 91037 ADS 9404 ANA. switching frequency 3 HZ Switching time reversal Explosion Protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (IKEX) Zone 22 (ATEX)	Operating pressure	-0.09 MPa 1 MPa
To EU Explosion Protection Directive (ATEX) JKCA marking (see declaration of conformity) To UK EX instructions ATEX category gas II 2G ATEX category dust II 2D AT II 4D AT II 4	Operating pressure	-0.9 bar 10 bar
ATEX category gas ATEX category gas II 2G ATEX category dust II 2D Explosion ignition protection type for gas Explosion ignition protection type for dust Explosion ambient temperature -10 °C <= Ta <= +60 °C Explosion protection certification outside the EU EPL Db (GB) EPL Gb (GB) FPL Gb (GB) FPL Gb (GB) For id dimension At mm Exhaust-air function Sealing principle Soft Mounting position Manual override None Type of piloting Direct Fel will result a supply External Flow direction Reversible Symbol O 0991037 O verlap Max. switching frequency 3 Hz Switching time reversal Explosion protection Zone 1 (ATEX) Zone 2 (ATEX)	Design	Piston gate valve
ATEX category gas ATEX category dust II 2D Explosion ignition protection type for gas Ex h IIC T4 Gb Explosion ignition protection type for dust Exh IIIC T130°C Db Explosion ambient temperature -10 °C <= Ta <= +60 °C Explosion protection certification outside the EU Explosion protection 41 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Optional Manual override None Explosion protection External Flow direction Reversible Symbol O0991037 ap Overlap Max. switching frequency 3 Hz Switching time reversal 3 ms Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)	CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
ATEX category dust Explosion ignition protection type for gas Ex h IIC T4 Gb Explosion ignition protection type for dust Ex h IIIC T130°C Db Explosion ambient temperature -10 °C (= Ta (= +60 °C) Explosion protection certification outside the EU EXPL Db (GB) EPL Db (GB) EPL Db (GB) EPL Db (GB) FPL Gb (GB)	UKCA marking (see declaration of conformity)	To UK EX instructions
Explosion ignition protection type for gas Explosion ignition protection type for dust Explosion ambient temperature -10 °C <= Ta <= +60 °C Explosion protection certification outside the EU Explosion protection Explosion protection With flow control option Soft Mounting position With flow control option Soft Mounting position Optional Manual override None Expersible Oirect External Flow direction Reversible Symbol Oog91037 ap Overlap Max. switching frequency 3 Hz Switching time reversal 3 ms Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX)	ATEX category gas	II 2G
Explosion ignition protection type for dust Explosion ambient temperature -10 °C <= Ta <= +60 °C Explosion protection certification outside the EU Explosion protection certification outside the EU Explosion protection certification outside the EU EPL Db (GB) EPL Gb (GB) SPL Gb (GB) PL Gb (GB) EPL Gb (GB) E	ATEX category dust	II 2D
Explosion ambient temperature -10 °C <= Ta <= +60 °C Explosion protection certification outside the EU EPL Db (GB) EPL Gb (GB) Nominal size 12 mm Grid dimension 41 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override None Reye of piloting Direct Pilot air supply External Flow direction Reversible Switching frequency Max. switching frequency Switching time reversal Explosion protection Zone 1 (ATEX) Zone 2 (ATEX)	Explosion ignition protection type for gas	Ex h IIC T4 Gb
Explosion protection certification outside the EU EPL Db (GB) EPL Gb (GB) Nominal size 12 mm Sidd dimension 41 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override None Flye of piloting Direct Pilot air supply Flow direction Reversible Symbol 00991037 ap Overlap Max. switching frequency 3 Hz Switching time reversal Explosion protection Zone 1 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX)	Explosion ignition protection type for dust	Ex h IIIC T130°C Db
EPL Gb (GB) Nominal size 12 mm Grid dimension 41 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Manual override None Type of piloting Pilot air supply External Flow direction Reversible Symbol 00991037 ap Overlap Max. switching frequency 3 Hz Switching time reversal Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (MEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX)	Explosion ambient temperature	-10 °C <= Ta <= +60 °C
At mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Optional Manual override None Type of piloting Direct Pilot air supply External Flow direction Reversible Symbol O0991037 Ap Overlap Max. switching frequency 3 Hz Switching time reversal Explosion protection Zone 1 (UKEX) Zone 21 (UKEX) Zone 22 (ATEX)	Explosion protection certification outside the EU	
Exhaust-air function Sealing principle Soft Mounting position Manual override None Type of piloting Pilot air supply Flow direction Symbol ap Max. switching frequency Switching time reversal Explosion protection Symbol Symbol Again With flow control option Optional None External External External Exernal Reversible Oyerlap Overlap Max. switching frequency Again A	Nominal size	12 mm
Sealing principle Mounting position Manual override Mone Type of piloting Direct Pilot air supply External Flow direction Reversible Symbol Overlap Max. switching frequency Switching time reversal Explosion protection Tone 1 (ATEX) Zone 2 (ATEX)	Grid dimension	41 mm
Mounting position Manual override None Type of piloting Direct External Flow direction Reversible Symbol Overlap Max. switching frequency Switching time reversal Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX) Zone 22 (ATEX)	Exhaust-air function	With flow control option
Manual override Type of piloting Direct External Flow direction Reversible Symbol Overlap Max. switching frequency Switching time reversal Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX)	Sealing principle	Soft
Type of piloting Pilot air supply External Flow direction Reversible Symbol O0991037 ap Overlap Max. switching frequency 3 Hz Switching time reversal Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX) Zone 22 (ATEX)	Mounting position	optional
Pilot air supply Elow direction Reversible Symbol 00991037 ap Overlap Max. switching frequency 3 Hz Switching time reversal Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX) Zone 22 (ATEX)	Manual override	None
Reversible Symbol O0991037 ap Overlap Max. switching frequency Switching time reversal Explosion protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX) Zone 22 (ATEX)	Type of piloting	Direct
Symbol 00991037 ap Overlap Max. switching frequency 3 Hz Switching time reversal 3 ms Explosion protection Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX)	Pilot air supply	External
ap Overlap Max. switching frequency 3 Hz Switching time reversal 3 ms Explosion protection Zone 1 (ATEX)	Flow direction	Reversible
Max. switching frequency 3 Hz Switching time reversal 2 one 1 (ATEX)	Symbol	00991037
Switching time reversal 3 ms Explosion protection Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 21 (UKEX) Zone 22 (ATEX)	lap	Overlap
Explosion protection Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 21 (UKEX) Zone 22 (ATEX)	Max. switching frequency	3 Hz
Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX)	Switching time reversal	3 ms
Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]	Explosion protection	Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX)
	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]

Feature	Value
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-40 ℃ 60 ℃
Media temperature	-10 °C 60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C 60 °C
Product weight	550 g
Type of mounting	With through-hole
Pilot air port 12	G1/8
Pilot air port 14	G1/8
Pneumatic connection, port 1	G3/8
Pneumatic connection, port 2	G3/8
Pneumatic connection, port 3	G3/8
Pneumatic connection, port 4	G3/8
Pneumatic connection, port 5	G3/8
Note on materials	RoHS-compliant
Material seals	NBR
Material housing	Die-cast aluminium