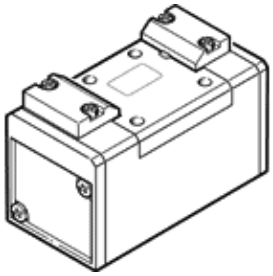
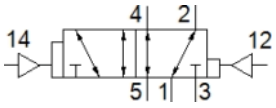
Pneumatic valve
JD-5/2-D-3-C-EX

Part number: 536018

FESTO

5/2-way valve, bistable, dominant, pneumatically operated.





Data sheet

Feature	values
Valve function	5/2 bistable-dominant
Type of actuation	pneumatic
Width	65 mm
Standard nominal flow rate	4,500 l/min
Working pressure	-0.9 ... 16 bar
Design structure	Piston slide
Authorization	Germanischer Lloyd
Nominal size	14.5 mm
Grid dimension	71 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Conforms to standard	ISO 5599-1
Manual override	None
ISO code	303
Type of piloting	direct
Flow direction	reversible
Freedom from overlap	Yes
Note on forced dynamisation	Switching frequency at least once a week
Pilot pressure	2 ... 16 bar
Switching time reversal	8 ms
Switching time reversal (dominating)	8 ms
ATEX category Gas	II 2G
Explosion ignition protection type Gas	c T4
ATEX category Dust	II 2D
Explosion ignition protection type Dust	c T130°C
Explosion-proof ambient temperature	-10°C <= Ta <= +60°C
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
CE symbol (see declaration of conformity)	according to EU-Ex protection guideline (ATEX)
Vibration resistance	Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Medium temperature	-10 ... 60 °C
Sound pressure level	85 dB(A)
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-10 ... 60 °C
Product weight	810 g
Mounting type	On subbase With through-hole and screw
Pilot air port 12	Connection plate size 3 as per ISO 5599-1
Pilot air port 14	Connection plate size 3 as per ISO 5599-1

Feature	values
Pneumatic connection, port 1	Connection plate size 3 as per ISO 5599-1
Pneumatic connection, port 2	Connection plate size 3 as per ISO 5599-1
Pneumatic connection, port 3	Connection plate size 3 as per ISO 5599-1
Pneumatic connection, port 4	Connection plate size 3 as per ISO 5599-1
Pneumatic connection, port 5	Connection plate size 3 as per ISO 5599-1
Materials note	Conforms to RoHS
Materials information for seals	HNBR NBR
Materials information, housing	Aluminum die cast