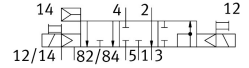
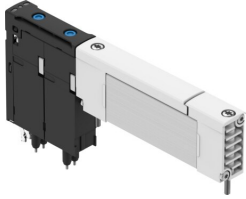


# Solenoid valve

## VUVX-BK10-P53CD-A1ZH-F-1T1L

FESTO

Part number: 8229212



## Data sheet

Feature	Value
Valve function	5/3-way valve, with holding function, for vacuum switching unit
Actuation type	Electrical
Valve size	10 mm
Nominal flow rate standardized according to ISO 8778	400 l/min
Operating voltage	24V DC
Operating pressure	0.2 MPa...0.7 MPa 2 bar...7 bar
Structural design	Piston slide with sealing ring
Reset method	Mechanical spring
Degree of protection	IP65
Width	10.35 mm
Nominal width	3 mm
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	External
Flow direction	Non-reversible
Signal status display	yes
Pilot pressure MPa	0.2 MPa...0.7 MPa
Pilot pressure	2 bar...7 bar
Suitability for vacuum	yes
b-value	0.48
C value	1.39 l/sbar
Max. switching frequency	3 Hz
Switching time off	19 ms
On switching time	14 ms
Changeover time	14 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1400 µs
Max. negative test pulse on 1 signal	800 µs

Feature	Value
Coil characteristics	24 V DC: 0.35 W
Permissible voltage fluctuations	+/- 10 %
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas
Information on operating and pilot media	Ester oil < 0.1mg/m <sup>3</sup> , according to ISO 8573-1:2010 [---:2] Operation with oil lubrication possible (required for further use)
Vibration resistance	Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Storage temperature	-20 °C...70 °C
For use in the food industry	NSF H1
Temperature of medium	-5 °C...50 °C
Relative air humidity	5 - 95 %
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas
Ambient temperature	-5 °C...50 °C
Max. tightening torque for valve mounting	0.345 Nm
Product weight	54.1 g
Electrical connection	Plug-in
Type of mounting	On sub-base
Pilot air port 12/14	Sub-base
Pilot exhaust air port 82/84	Sub-base
Pneumatic connection 1	Sub-base
Pneumatic connection 2	Sub-base
Pneumatic connection 3	Sub-base
Pneumatic connection 4	Sub-base
Pneumatic connection 5	Sub-base
Note on materials	RoHS-compliant
Seals material	HNBR
Material of dynamic seals	HNBR
Housing material	Wrought aluminum alloy, anodized
Material of spring	High-alloy stainless steel
Piston slide material	POM
Material of screws	Stainless steel