

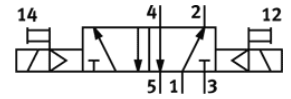
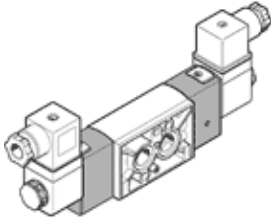
# solenoid valve

## VSNC-F-B52-D-N14-FN-1A1-EX4-A

Part number: 577287

FESTO

NAMUR valve 1/4", bistable, FN armature system, with coil, intrinsically safe.



## Data sheet

Feature	Value
Valve function	5/2 bistable
Type of actuation	electrical
Width	32 mm
Standard nominal flow rate	1,350 l/min
Operating pressure MPa	0.15 ... 0.8 MPa
Operating pressure	1.5 ... 8 bar
Design structure	Piston slide
Explosion protection certification outside the EU	EPL Db (IEC-EX) EPL Ga (IEC-EX)
Certificate issuing department	DNVGL-TAA000011J
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex ia IIC T6 Ga
Explosion ignition protection type Dust	Ex t IIIC T80°C Db
Explosion-proof ambient temperature	-40°C ≤ Ta ≤ +50°C
Protection class	IP65 with plug socket to IEC 60529
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Conforms to standard	VDI/VDE 3845 (NAMUR)
Manual override	detenting Pushing
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	non reversible
Overlap	Positive overlap
Signal status display	with accessories
b value	0.4
C value	5.6 l/sbar
Switching time reversal	20 ms
Duty cycle	100 %
Max. input voltage	28 V
Max. input current	115 mA
Permissible voltage fluctuation	+/- 10 %
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)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
Medium temperature	-20 ... 60 °C
Ambient temperature	-20 ... 60 °C

<b>Feature</b>	<b>Value</b>
Product weight	685 g
Electrical connection	Plug pattern type A to EN 175301-803 to EN 175301-803
Mounting type	with through hole
Scavenging orifice connection	Non-ducted
Pneumatic connection, port 1	1/4 NPT
Pneumatic connection, port 2	NAMUR port pattern
Pneumatic connection, port 3	1/4 NPT
Pneumatic connection, port 4	NAMUR port pattern
Pneumatic connection, port 5	1/4 NPT
Materials note	Conforms to RoHS
Material seals	NBR
Material housing	Wrought Aluminium alloy
Material screws	Galvanised steel