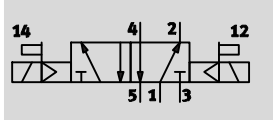




Solenoid valves VSNC

Technical data – 5/2-way -...-FN, double solenoid

Function
5/2-way valve, double solenoid



-  - Operating pressure
1.5 ... 8 bar

-  - Temperature range
-20 ... +60 °C



General technical data		
	VSNC-F-B52-D-G14-FN VSNC-F-B52-D-N14-FN	VSNC-F-B52-D-G14-FN-1A1-EX4-A VSNC-F-B52-D-N14-FN-1A1-EX4-A
Valve function	5/2-way, double solenoid	
Width [mm]	32	
Design	Piston spool	
Sealing principle	Soft	
Type of actuation	Electrical	
Type of control	Piloted	
Pilot air supply port	Internal	
Exhaust air function	With flow control	
Manual override	Non-detenting, detenting	
Type of mounting	With through-hole	
Connection for venting hole	Not ducted	
Mounting position	Any	
Non-overlapping	Yes	
Standard nominal flow rate [l/min]	1350	
b value	0.4	
C value [l/sbar]	5.6	
Pneumatic connection	1, 3, 5 2, 4	G1/4, NPT1/4-18 Port pattern to NAMUR
Conforms to standard	VDI/VDE 3845 (NAMUR)	
Product weight [g]	461	

Operating and environmental conditions		
	VSNC-F-B52-D-G14-FN VSNC-F-B52-D-N14-FN	VSNC-F-B52-D-G14-FN-1A1-EX4-A VSNC-F-B52-D-N14-FN-1A1-EX4-A
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]	
Note on operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)	
Operating pressure [bar]	1.5 ... 8	
Ambient temperature [°C]	-20 ... +60	
Temperature of medium [°C]	-20 ... +60	
Corrosion resistance class CRC ¹⁾	2	

1) Corrosion resistance class CRC 2 to Festo standard FN 940070
Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Solenoid valves VSNC

Technical data – 5/2-way -...-FN, double solenoid

ATEX		
	VSNC-F-B52-D-G14-FN VSNC-F-B52-D-N14-FN	VSNC-F-B52-D-G14-FN-1A1-Ex4-A VSNC-F-B52-D-N14-FN-1A1-Ex4-A
ATEX category gas	–	II 2G
Type of ignition protection for gas	–	Ex ia IIC T6 Ga
ATEX category dust	–	II 2D
Type of ignition protection for dust	–	Ex t IIIC T80°C Db
Explosion protection certification outside the EU	–	EPL Db (IEC-EX)
	–	EPL Ga (IEC-EX)
Explosion-proof temperature [°C]	–	–40 °C ≤ Ta ≤ +50 °C
Degree of protection	–	IP65
	–	IP67
CE marking (see declaration of conformity)	As per EU Explosion Protection Directive (ATEX)	

Electrical data		
	VSNC-F-B52-D-G14-FN VSNC-F-B52-D-N14-FN	VSNC-F-B52-D-G14-FN-1A1-Ex4-A VSNC-F-B52-D-N14-FN-1A1-Ex4-A
Electrical connection	–	Type A, to EN 175301-803
Coil characteristics	See solenoid coil, to be ordered separately	
Changeover time [ms]	20	
Permissible voltage fluctuations [%]	–	± 10

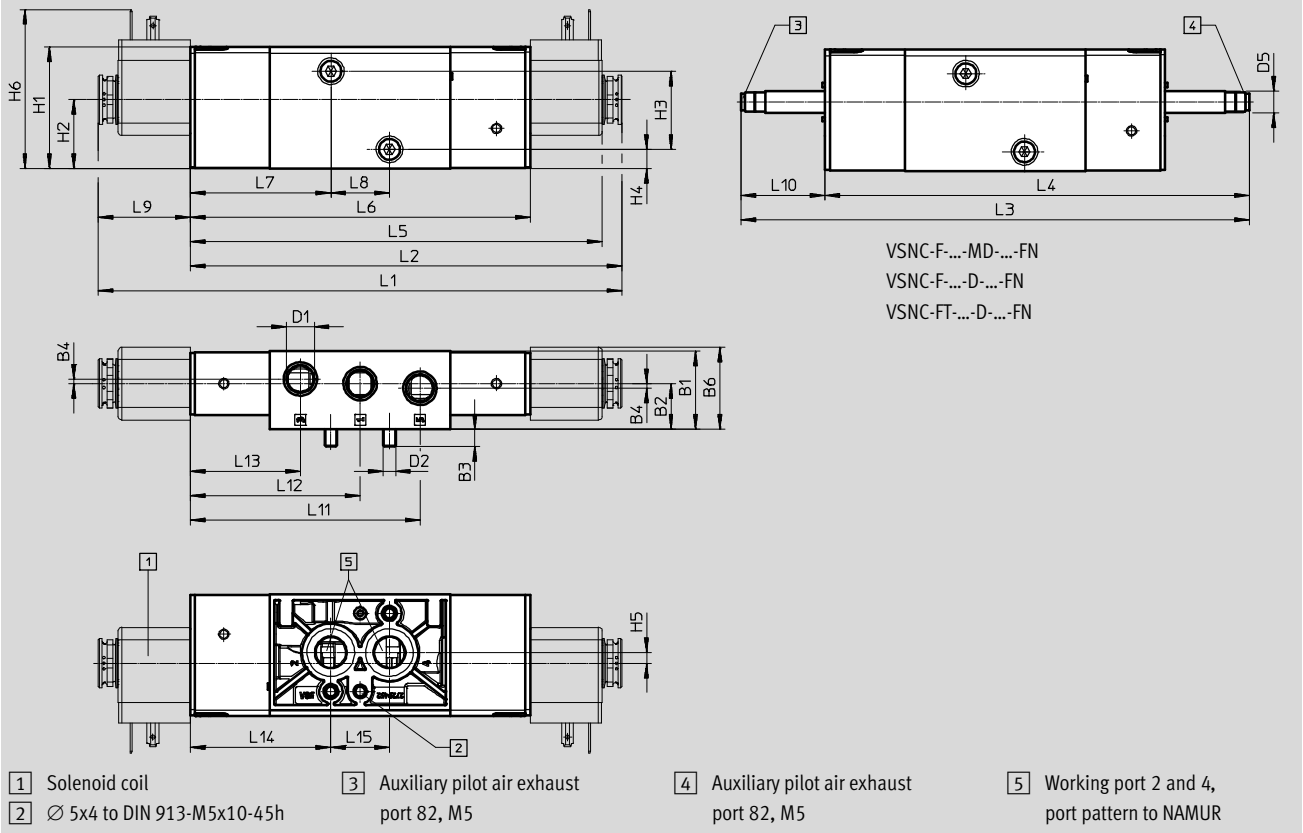
Materials	
1 Housing	Wrought aluminium alloy
2 Seals	NBR
–	RoHS compliant

Solenoid valves VSNC

Technical data – 5/2-way -...-FN, double solenoid

Dimensions

[Download CAD data](#) →

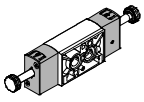
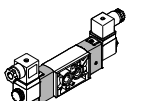


Type	B1	B2	B3	B4	B6	D1	D2	D5 · \varnothing	H1	H2	H3	H4	H5	H6	L1
VSNC-F-B52-D-G14-FN	31.8	18.6	7.3	1.9	33.4	G1/4	M5	9	49.8	28.2	32	7.8	4.4	-	-
VSNC-F-B52-D-G14-FN-1A1-Ex4-A						65.1								214.5	
VSNC-F-B52-D-N14-FN						-								-	
VSNC-F-B52-D-N14-FN-1A1-Ex4-A						65.1								214.5	

Type	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15
VSNC-F-B52-D-G14-FN	-	208	173.6	-	139.2	57.6	24	-	34.4	94.1	69.6	45.1	57.6	24
VSNC-F-B52-D-G14-FN-1A1-Ex4-A	176.9			168.7				37.7						
VSNC-F-B52-D-N14-FN	-			-				-						
VSNC-F-B52-D-N14-FN-1A1-Ex4-A	176.9			168.7				37.7						

Solenoid valves VSNC

Technical data – 5/2-way -...-FN, double solenoid

Ordering data – Valves		
Directional control valve without solenoid coil		
	Part No.	Type
	577268	VSNC-F-B52-D-G14-FN
	577273	VSNC-F-B52-D-N14-FN
Directional control valve with Ex i solenoid coil including socket		
	577282	VSNC-F-B52-D-G14-FN-1A1-Ex4-A
	577287	VSNC-F-B52-D-N14-FN-1A1-Ex4-A