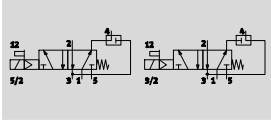




## Solenoid valves VSNC

Technical data – 3/2-way or 5/2-way -...-FN poppet seat, convertible, single solenoid

Function  
3/2-way or 5/2-way valve,  
convertible



 - Operating pressure  
2.5 ... 8 bar

 - Temperature range  
-20 ... +60 °C



General technical data		VSNC-FTC-M52-MD-G14-FN VSNC-FTC-M52-MD-N14-FN	VSNC-FTC-M52-MD-G14-FN-1A1
Valve function		3/2-way or 5/2-way, convertible	
Width	[mm]	32	
Design		Poppet seat	
Sealing principle		Soft	
Type of actuation		Electrical	
Reset method		Mechanical spring	
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		No	
Direction of flow		Non-reversible	
Standard nominal flow rate	1 → 2 [l/min]	800	
	Exhaust return 4 → 3 [l/min]	800	
b value		0.15	
C value	[l/sbar]	3.96	
Pneumatic connection	1, 3, 5 2, 4	G $\frac{1}{4}$ Port pattern to NAMUR	
Conforms to standard		VDI/VDE 3845 (NAMUR)	
Degree of protection		-	IP65, IP67
Product weight	[g]	404	440

## Solenoid valves VSNC

Technical data – 3/2-way or 5/2-way -...-FN poppet seat, convertible, single solenoid

Operating and environmental conditions	
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]	2.5 ... 8
Ambient temperature [°C]	-20 ... 60
Temperature of medium [°C]	-20 ... 60
Corrosion resistance class CRC <sup>1)</sup>	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.

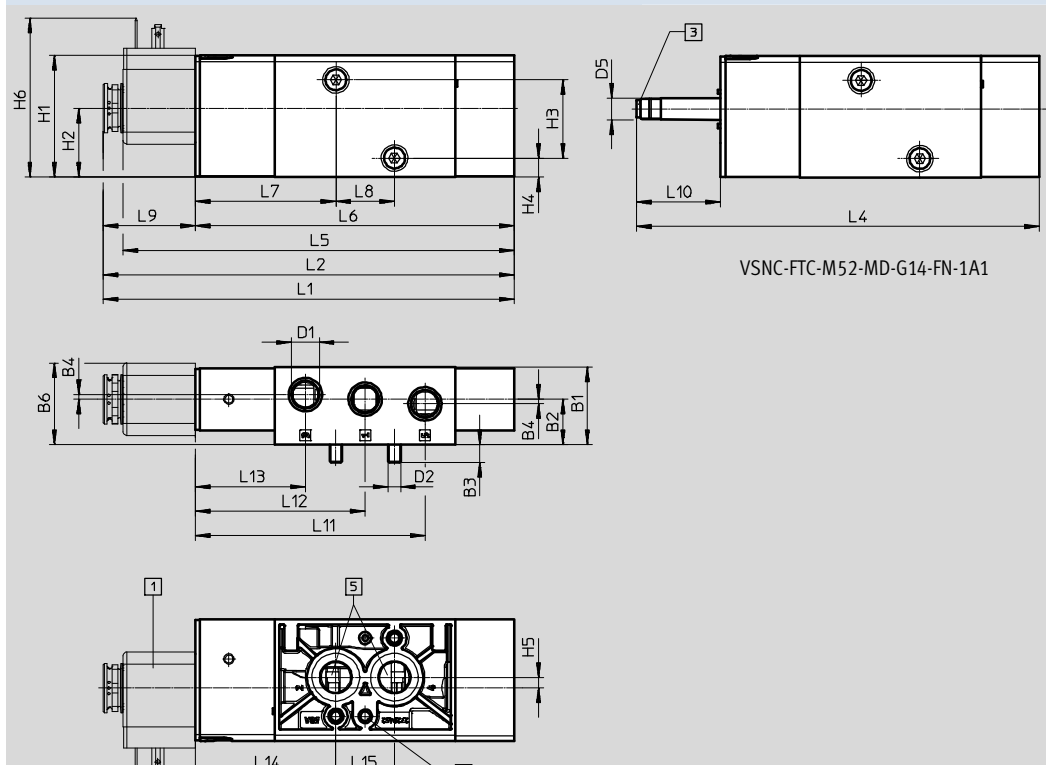
Electrical data	VSNC-FTC-M52-MD-G14-FN VSNC-FTC-M52-MD-N14-FN		VSNC-FTC-M52-MD-G14-FN-1A1
	Electrical connection	-	
Coil characteristics, 24 V DC [W]	See solenoid coil, to be ordered separately		0.7
Switching time on [ms]	16		16
Switching time off [ms]	120		120
Permissible voltage fluctuations [%]	-		±10

Materials	
1) Housing	Wrought aluminium alloy
2) Seals	NBR
-	RoHS compliant

# Solenoid valves VSNC

Technical data – 3/2-way or 5/2-way -...-FN poppet seat, convertible, single solenoid

**Dimensions** Download CAD data →

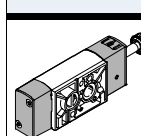
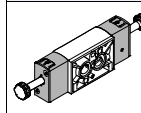


VSNC-FTC-M52-MD-G14-FN-1A1

1 Solenoid coil     
 2  $\varnothing$  5x4 to DIN 913-M5x10-45h     
 3 Auxiliary pilot air exhaust port 82, M5     
 5 Working port 2 and 4, port pattern to NAMUR

Type	B1	B2	B3	B4	B6	D1	D2	D5 ∅	H1	H2	H3	H4	H5	H6
VSNC-FTC-M52-MD-G14-FN	31.8	18.6	7.3	1.9	33.4	G $\frac{1}{4}$	M5	9	49.8	28.2	32	7.8	4.4	-
VSNC-FTC-M52-MD-G14-FN-1A1														
VSNC-FTC-M52-MD-N14-FN-1A1														

Type	L2	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15
VSNC-FTC-M52-MD-G14-FN	-	165	-	130.6	57.6	24	-	34.4	94.1	69.6	45.1	57.6	24
VSNC-FTC-M52-MD-G14-FN-1A1			-										
VSNC-FTC-M52-MD-N14-FN-1A1			160.1										

Ordering data – Valves							
Directional control valve without solenoid coil							
	<table border="1"> <thead> <tr> <th>Part No.</th> <th>Type</th> </tr> </thead> <tbody> <tr> <td>577277</td> <td>VSNC-FTC-M52-MD-G14-FN</td> </tr> <tr> <td>577279</td> <td>VSNC-FTC-M52-MD-N14-FN</td> </tr> </tbody> </table>	Part No.	Type	577277	VSNC-FTC-M52-MD-G14-FN	577279	VSNC-FTC-M52-MD-N14-FN
Part No.	Type						
577277	VSNC-FTC-M52-MD-G14-FN						
577279	VSNC-FTC-M52-MD-N14-FN						
Directional control valve with 24 V DC solenoid coil							
	<table border="1"> <tbody> <tr> <td>577297</td> <td>VSNC-FTC-M52-MD-G14-FN-1A1</td> </tr> </tbody> </table>	577297	VSNC-FTC-M52-MD-G14-FN-1A1				
577297	VSNC-FTC-M52-MD-G14-FN-1A1						