

Quick availability: Selected products from the VSNC series

Intrinsically safe solenoid coil
VACN-N-A1-1-EX4-A





- Category II 2 GD
- Type of ignition protection Ex ia
- IEC Ex certification
- ATEX certification

Encapsulated solenoid coil
VACN-N-K1-...-EX4-M





- Category II 2 GD
- Type of ignition protection Ex m
- IEC Ex certification
- ATEX certification

Non-sparking solenoid coil
VACN-N-A1-...-EX2-N




- Category II 3 GD
- Type of ignition protection Ex na
- ATEX certification

Encapsulated solenoid coil with insulating conduit connection
VACN-N-K11-...-0,5-U4-M




- Class 1; Div 1
- Type of ignition protection AEX m
- FM certification

Solenoid coil
VACN-N-A1-...
VACF-B-B2-...



- IP65 with plug socket
- Plug pattern type A, to EN 175301
- Plug pattern type B, industry standard

★ Quick ordering

- Fast: ready for dispatch in 24 hours
- Superb: Festo quality at an attractive price
- Easy: just 4 clicks to place an order

These star products are generally in stock and ready for immediate delivery.

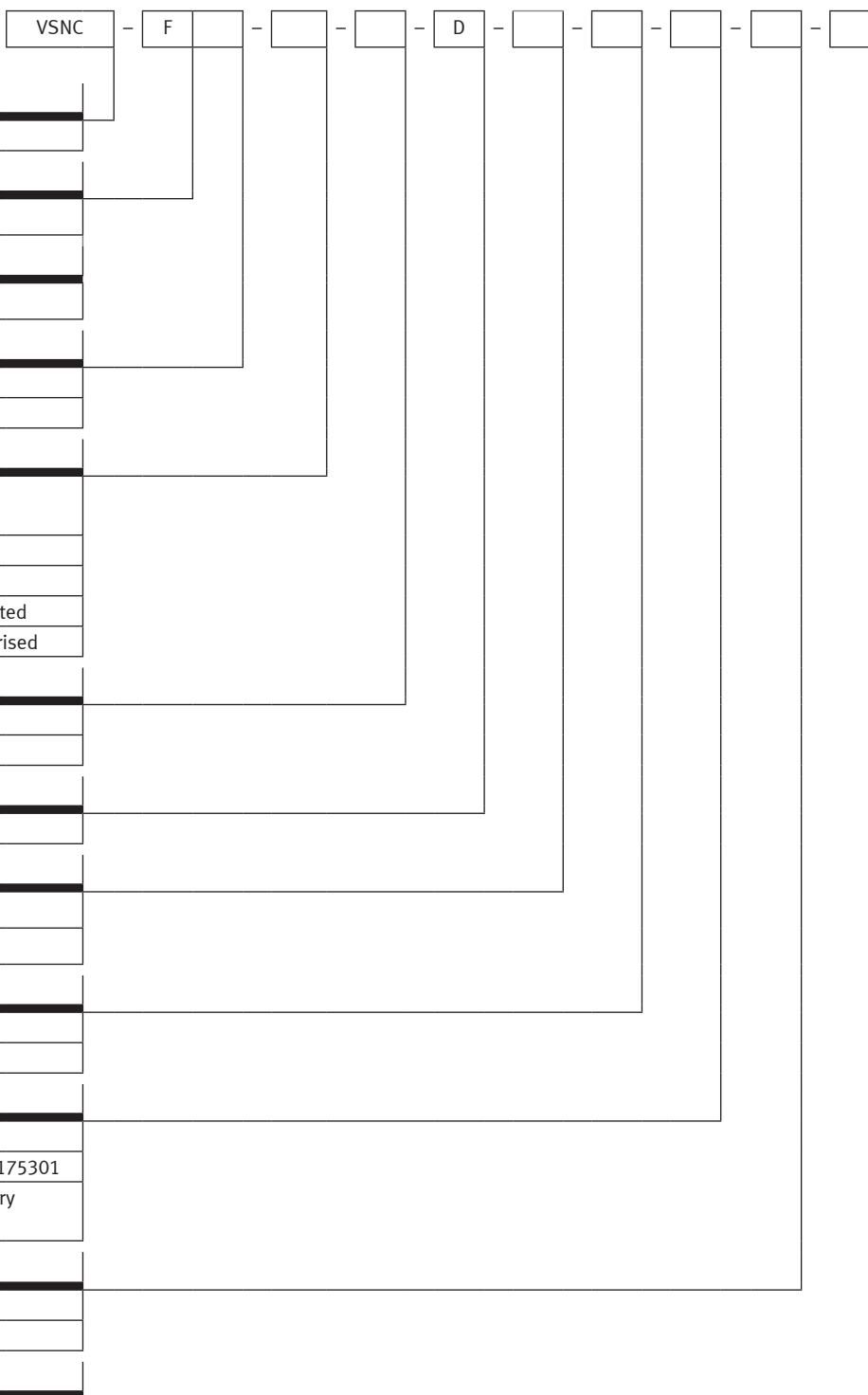
We offer you components and solutions in the electronic catalogue for tasks that go beyond the core functions.

→ www.festo.com/xdki

Or simply contact your Festo sales engineer, who will be pleased to help you.

Solenoid valves VSNC

Type codes



Type	
VSNC	Solenoid valve
Type of directional control valve	
F	Flanged valve
Design principle	
	Piston spool
Additional function	
	None
C	Convertible valve function
Valve function	
M52	5/2-way valve, single solenoid 3/2-way valve, single solenoid ¹⁾
B52	5/2-way valve, double solenoid
P53C	5/3-way valve, mid-position closed
P53E	5/3-way valve, mid-position exhausted
P53U	5/3-way valve, mid-position pressurised
Reset method for single solenoid valves	
	None
M	Mechanical spring
Manual override	
D	Non-detenting, detenting
Pneumatic port 1, 3, 5²⁾	
G14	Thread G $\frac{1}{4}$
N14	Thread N $\frac{1}{4}$
Interface to valve pilot	
F8	With 8 mm armature tube
FN	With 9 mm armature tube
Nominal operating voltage/electrical connection	
	None
1A1	24 V DC/plug pattern type A, to EN 175301
1B2	24 V DC/plug pattern type B, industry standard
EU certification	
	None
EX4	II 2 GD
Type of ignition protection	
	None
A	Intrinsically safe

1) Conversion from 5/2-way to 3/2-way valve simply by turning the seal
 2) Additional pneumatic connections → www.festo.com/catalogue/vsnc

Ordering data – Variants

Configurable product

This product and all its variants can be ordered using the configurator.

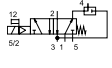
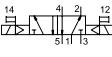
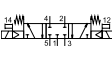
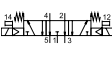

The configurator can be found under Products on the DVD or at
 → www.festo.com/catalogue/...

Enter the configuration part number in the search field:
 8026033

Solenoid valves VSNC-F8 with 8 mm armature tube


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Ordering data

Solenoid valve VSNC-F8 with 8 mm armature tube					
Symbol	Pneumatic port 1, 3, 5	Electrical connection	Nominal operating voltage	Part No.	Type
5/2-way valve or 3/2-way valve¹⁾, single solenoid					
	Thread G $\frac{1}{4}$	None	None	★ 577257	VSNC-FC-M52-MD-G14-F8
	Thread N $\frac{1}{4}$	None	None	★ 577262	VSNC-FC-M52-MD-N14-F8
	Thread G $\frac{1}{4}$	Connecting cable type B, industry standard	24 V DC	★ 577295	VSNC-FC-M52-MD-G14-F8-1B2
5/2-way valve, double solenoid					
	Thread G $\frac{1}{4}$	None	None	577258	VSNC-F-B52-D-G14-F8
	Thread N $\frac{1}{4}$	None	None	577263	VSNC-F-B52-D-N14-F8
	Thread G $\frac{1}{4}$	Connecting cable type B, industry standard	24 V DC	577296	VSNC-F-B52-D-G14-F8-1B2
5/3-way valve					
	Thread G $\frac{1}{4}$	None	None	577259	VSNC-F-P53C-MD-G14-F8
	Thread N $\frac{1}{4}$	None	None	577264	VSNC-F-P53C-MD-N14-F8
	Thread G $\frac{1}{4}$	None	None	577261	VSNC-F-P53E-MD-G14-F8
	Thread N $\frac{1}{4}$	None	None	577266	VSNC-F-P53E-MD-N14-F8
	Thread G $\frac{1}{4}$	None	None	577260	VSNC-F-P53U-MD-G14-F8
	Thread N $\frac{1}{4}$	None	None	577265	VSNC-F-P53U-MD-N14-F8

1) Conversion from 5/2-way to 3/2-way valve simply by turning the seal

Ordering data – Accessories

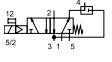
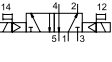
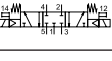
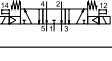

Solenoid coil VACF for 8 mm armature tube					
Width	Nominal operating voltage	Pick-up/holding power	Part No.	Type	
Plug pattern type B, industry standard					
22 mm	12 V DC	3.4 W	8030801	VACF-B-B2-5	
22 mm	24 V DC	3.3 W	8030802	VACF-B-B2-1	
22 mm	48 V DC	3.4 W	8030803	VACF-B-B2-7	
22 mm	24 V AC, 50/60 Hz	3.9 VA/2.6 VA	8030804	VACF-B-B2-1A	
22 mm	48 V AC, 50/60 Hz	3.9 VA/2.7 VA	8030805	VACF-B-B2-7A	
22 mm	110/120 V AC, 50/60 Hz	4.4 VA/3.3 VA	8030806	VACF-B-B2-16B	
22 mm	230/240 V AC, 50/60 Hz	5.8 VA/4.6 VA	8030808	VACF-B-B2-3W	

Cover cap VAMC			Part No.	Type	
			8028240	VAMC-B10-20-CH2	

Additional accessories → www.festo.com/catalogue/vsnc > Documentation






Solenoid valves VSNC-FN with 9 mm armature tube

Ordering data

Solenoid valve VSNC-FN with 9 mm armature tube						
Symbol	Pneumatic port 1, 3, 5	Electrical connection	EU certification	Type of ignition protection	Part No.	Type
5/2-way valve or 3/2-way valve¹⁾, single solenoid						
	Thread G $\frac{1}{4}$	None			★ 577267	VSNC-FC-M52-MD-G14-FN
	Thread N $\frac{1}{4}$	None			★ 577272	VSNC-FC-M52-MD-N14-FN
	Thread G $\frac{1}{4}$	Connecting cable type A, to EN 175301	II 2GD	Intrinsically safe	577281	VSNC-FC-M52-MD-G14-FN-1A1-Ex4-A
	Thread N $\frac{1}{4}$		II 2GD	Intrinsically safe	577286	VSNC-FC-M52-MD-N14-FN-1A1-Ex4-A
5/2-way valve, double solenoid						
	Thread G $\frac{1}{4}$	None			577268	VSNC-F-B52-D-G14-FN
	Thread N $\frac{1}{4}$	None			577273	VSNC-F-B52-D-N14-FN
	Thread G $\frac{1}{4}$	Connecting cable type A, to EN 175301	II 2GD	Intrinsically safe	577282	VSNC-F-B52-D-G14-FN-1A1-Ex4-A
	Thread N $\frac{1}{4}$		II 2GD	Intrinsically safe	577287	VSNC-F-B52-D-N14-FN-1A1-Ex4-A
5/3-way valve						
	Thread G $\frac{1}{4}$	None			577269	VSNC-F-P53C-MD-G14-FN
	Thread N $\frac{1}{4}$	None			577274	VSNC-F-P53C-MD-N14-FN
	Thread G $\frac{1}{4}$	None			577271	VSNC-F-P53E-MD-G14-FN
	Thread N $\frac{1}{4}$	None			577276	VSNC-F-P53E-MD-N14-FN
	Thread G $\frac{1}{4}$	None			577270	VSNC-F-P53U-MD-G14-FN
	Thread N $\frac{1}{4}$	None			577275	VSNC-F-P53U-MD-N14-FN

1) Conversion from 5/2-way to 3/2-way valve simply by turning the seal

Ordering data – Accessories

Solenoid coil VACN-N for 9 mm armature tube						
Nominal operating voltage	EU certification	Type of ignition protection	Pick-up/holding power	Part No.	Type	
Plug pattern type A, to EN 175301 						
24 V DC	II 2GD	Intrinsically safe	–	8029139	VACN-N-A1-1-EX4-A	
24 V DC	II 3GD	Non-sparking	2.1 W	8029136	VACN-N-A1-1-EX2-N	
110/120 V AC, 50/60 Hz	II 3GD	Non-sparking	110 V AC, 50 Hz: 6.9 VA/4.1 VA	8029137	VACN-N-A1-16B-EX2-N	
230 V AC, 50/60 Hz	II 3GD	Non-sparking	230 V AC, 50 Hz: 6.9 VA/4.1 VA	8029138	VACN-N-A1-3A-EX2-N	
Cable, 3 m 						
24 V DC	None	None	0.7 W	8029144	VACN-N-A1-1	
110/120 V AC, 50/60 Hz	None	None	110 V AC, 50 Hz: 5.2 VA/3.1 VA	8029134	VACN-N-A1-16B	
230 V AC, 50/60 Hz	None	None	230 V AC, 50 Hz: 6.2 VA/3.7 VA	8029135	VACN-N-A1-3A	
Cable with insulating conduit connection, 0.5 m 						
24 V DC	II 2GD	Encapsulation	2.6 W	8029143	VACN-N-K1-1-EX4-M	
110/120 V AC, 50/60 Hz	II 2GD	Encapsulation	110 V AC, 50/60 Hz: 2.4 VA	8029142	VACN-N-K1-16B-EX4-M	
230 V AC, 50/60 Hz	II 2GD	Encapsulation	230 V AC, 50/60 Hz: 2.1 VA	8029141	VACN-N-K1-3A-EX4-M	
Cable with insulating conduit connection, 0.5 m 						
24 V DC	Class 1; Div 1 to NEC 500	Encapsulation	4.6 W	8029146	VACN-N-K11-1-0,5-U4-M	
110/120 V AC, 50/60 Hz	Class 1; Div 1 to NEC 500	Encapsulation	120 V AC, 60 Hz: 10 VA/6.8 VA	8029145	VACN-N-K11-16B-0,5-U4-M	
230 V AC, 50/60 Hz	Class 1; Div 1 to NEC 500	Encapsulation	230 V AC, 50 Hz: 11.5 VA/8 VA	8029140	VACN-N-K11-3A-0,5-U4-M	
Cover cap VAMC				Part No.	Type	
				8028240	VAMC-B10-20-CH2 	

Type codes

		[] - [] - [] - [] - [] - [] - [] - []
Solenoid coil		<div style="border: 1px solid black; width: 100%; height: 100%;"></div>
VACF	F series	
VACN	N series	
Solenoid coil type		
A	Width 30 mm for 8 mm armature tube	
B	Width 22 mm for 8 mm armature tube	
N	For 9 mm armature tube	
Plug socket		
	None	
Electrical connection		
A1	Plug pattern type A, to EN 175301	
B2	Plug pattern type B, industry standard	
K1	Cable	
K11	Cable with insulating conduit connection	
Nominal operating voltage		
1A	24 V AC/50 ... 60 Hz	
3A	230 V AC/50 ... 60 Hz	
3W	230 V AC/240 V AC/50 ... 60 Hz	
7A	48 V AC/50 ... 60 Hz	
16B	120 V AC/60 Hz and 110 V AC/50 ... 60 Hz	
1	24 V DC	
5	12 V DC	
7	48 V DC	
Cable length		
	None	
0.5	0.5 m	
EU certification		
	None	
EX2	II 3 GD	
EX3	II 2 G	
EX4	II 2 GD	
Certification		
	None	
U4	Class 1; Div 1 to NEC 500	
Type of ignition protection		
	None	
A	Intrinsically safe	
M	Encapsulation	
N	Non-sparking	