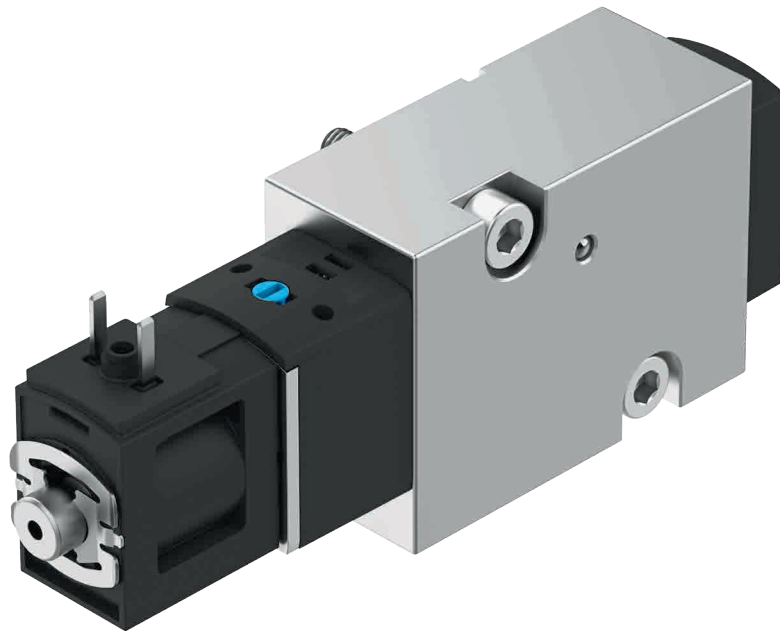




NAMUR valve – small and compact Solenoid valve VSNC-G1/8

- With NAMUR connection pattern to VDE/VDI 3845
- Compact and powerful
- Particularly suitable for quarter turn actuators DAPS and DFPD with connection pattern to VDI/VDE 3845
- Electrical connection with plug pattern type C, to EN 175301-803
- 24 V solenoid coil integrated
- Extended temperature range –20 to +50 °C
- Excellent price/performance ratio
- 5/2-way valve, single solenoid or 3/2-way valve, single solenoid, normally closed
- VSNC-FKA variants with additional function: basic position is pressurised from 1 to 2 and exhausted from 4 to 5 (connections swapped). This gives you the option of leaving the valve orientation/ valve mounting for the quarter turn actuator the same, but changing the quarter turn actuator's direction of rotation.

Selection and ordering

Check our electronic catalogue for the components and solutions we offer.

→ www.festo.com/catalogue/vsnc

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

Solenoid valves VSNC-G1/8

Order code

001	002	003	004	005	006	007	008	009	010	011
VSNC	F	K			R	D	G18	1	C1	S

001	Series
VSNC	Solenoid valve VSNC
002	Type of directional control valve
F	Sub-base valve
003	Design principle
K	Piston slide with sealing ring
004	Additional function
	None
A	Connections swapped
005	Valve function
M52	5/2-way valve, single solenoid
M32C	3/2-way valve, single solenoid, normally closed

006	Reset method for single-solenoid valves
R	Mixed, pneumatic/mechanical spring
007	Manual override
D	Non-detenting, detenting
008	Pneumatic connection
G18	G1/8
009	Nominal operating voltage
1	24 V DC
010	Electrical connection
C1	Plug pattern type C, to EN 175301-803
011	Version
S	Core features

Ordering data

Valve function	Width	Part no.	Type
3/2-way, single solenoid, closed	25.5 mm	8166611	VSNC-FK-M32C-RD-G18-1C1-S
5/2-way, single solenoid		8128472	VSNC-FK-M52-RD-G18-1C1-S
3/2-way, single solenoid, closed, connections swapped		8166612	VSNC-FKA-M32C-RD-G18-1C1-S
5/2-way, single solenoid, connections swapped		8128473	VSNC-FKA-M52-RD-G18-1C1-S

General technical data

Valve function	3/2-way, single solenoid, closed 5/2-way, single solenoid
Width	25.5 mm
Design	Piston slide with sealing ring
Sealing principle	Soft
Actuation type	Electrical
Reset method	Mechanical spring, pneumatic spring
Type of control	Piloted
Manual override	Detenting
Exhaust air function	Can be throttled
Port for venting hole	Not ducted
Pilot air supply	Internal
Type of mounting	Via through-hole
Mounting position	Any
Standard nominal flow rate	400 l/min
Standard nominal flow rate, exhaust return 4-3	100 l/min
b value	0.3
C value	2.1 l/sbar
Pneumatic connection 1	G1/8
Pneumatic connection 2	Connection pattern to NAMUR
Pneumatic connection 3	G1/8
Pneumatic connection 4	Connection pattern to NAMUR
Pneumatic connection 5	G1/8
Conforms to	VDI/VDE 3845 (NAMUR)
Product weight	220 g

Operating and environmental conditions

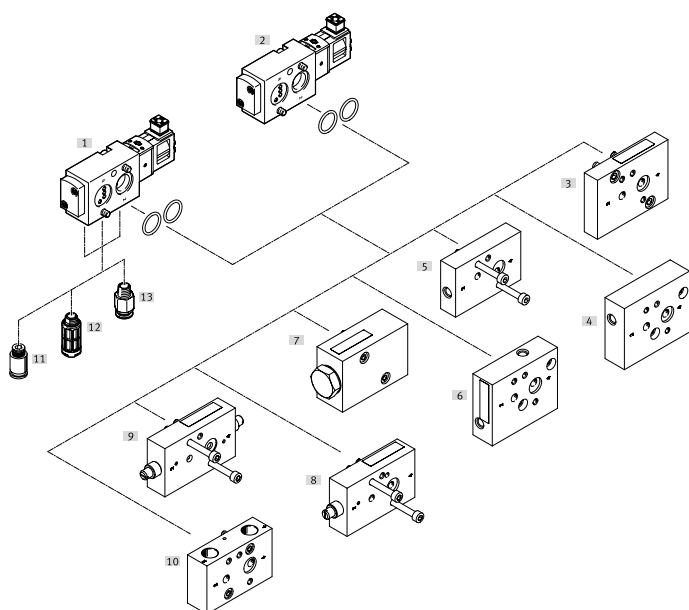
Valve function	3/2-way, single solenoid, closed 5/2-way, single solenoid
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on the operating/pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Operating pressure	2.5 ... 8 bar
Ambient temperature	-20 ... 50°C
Temperature of medium	-20 ... 50°C
Corrosion resistance class CRC ¹⁾	1 – Low corrosion stress
Degree of protection	IP65

1) More information www.festo.com/x/topic/crc

Electrical data

Valve function	3/2-way, single solenoid, closed 5/2-way, single solenoid
Electrical connection	Type C
Characteristic coil data	24 V DC: 2.4 W
Duty cycle	100%
Switching time on	50 ms
Switching time off	50 ms

Accessories



- [1] Solenoid valves VSNC-...-M32C-...: 3/2-way valve, single solenoid, for controlling single-acting or double-acting actuators
- [2] Solenoid valves VSNC-...-M52-...: 5/2-way valve, single solenoid, for controlling double-acting actuators
- [3] Mounting plate VABA-B14-FL12-FL14
- [4] Mounting plate VABS-B14-270-FF14
- [5] Mounting plate VABS-B14-180-FF14
- [6] Mounting plate VABS-B14-90-FF14
- [7] Exhaust plate VABF-B14-M3-...14
- [8] Throttle plate (single-acting) VABF-B14-F1B1P1-FF14
- [9] Throttle plate (double-acting) VABF-B14-F1B1P2-FF14
- [10] Connector plate VABS-B14-T-F ... 14
- [11] Push-in fitting QS
- [12] Silencer
- [13] Push-in fitting NPQE

Mounting plates VABA, VABS with through-hole

Description	Part no.	Type
[3] With 1/2" and 1/4" NAMUR connection	8098889	VABA-B14-FL12-FL14
[4] NAMUR connection can be turned 270°. It is also possible to mount a 1/4" NAMUR valve on a 1/2" actuator	8098891	VABS-B14-270-FF14
[5] NAMUR connection can be turned 180°. It is also possible to mount a 1/4" NAMUR valve on a 1/2" actuator	8099347	VABS-B14-180-FF14
[6] NAMUR connection can be turned 90°. It is also possible to mount a 1/4" NAMUR valve on a 1/2" actuator	8098888	VABS-B14-90-FF14

Exhaust plates VABF with through-hole

Description	Part no.	Type
[7] Exhausting a quarter turn actuator with Namur connection via a valve terminal or a normal in-line valve NPT1/4	8099627	VABF-B14-M3-N14
Exhausting a quarter turn actuator with Namur connection via a valve terminal or a normal in-line valve G1/4	8099350	VABF-B14-M3-G14

Throttle plates VABF with through-hole

Description	Part no.	Type
[8] Flow control for single-acting quarter turn actuators	8098885	VABF-B14-F1B1P1-FF14
[9] Flow control for double-acting quarter turn actuators	8098887	VABF-B14-F1B1P2-FF14

Connector plates VABS with through-hole

Description	Part no.	Type
[10] Enables the Namur valve to be used as an in-line valve with NPT1/4"	8099628	VABS-B14-T-FN14
Enables the Namur valve to be used as an in-line valve with G1/4"	8098884	VABS-B14-T-FG14

Push-in fittings QS

Pneumatic connection 2	Part no.	Type
Pneumatic connection 1: male thread G1/8		
[11] For tubing O.D. 4 mm	186095	QS-G1/8-4
For tubing O.D. 6 mm	186096	QS-G1/8-6
For tubing O.D. 8 mm	186098	QS-G1/8-8
Pneumatic connection 1: male thread G1/8 with internal hexagon		
[11] For tubing O.D. 4 mm	186106	QS-G1/8-4-I
For tubing O.D. 6 mm	186107	QS-G1/8-6-I
For tubing O.D. 8 mm	186109	QS-G1/8-8-I
For tubing O.D. 10 mm	132999	QS-G1/8-10-I

Silencers AMTE, U

Description	Part no.	Type
Pneumatic connection: G1/8		
[12] Short version, sintered metal	1206622	AMTE-M-H-G18
Long version, sintered metal	1205860	AMTE-M-LH-G18
Polymer version	2307	U-1/8
Polymer version, 50 pieces per pack	534222	U-1/8-50
Polymer version, female thread	3670	U-1/8-I
Die-cast metal version	6841	U-1/8-B
Polymer version	161419	UC-1/8

Push-in fittings NPQE

Pneumatic connection 2	Part no.	Type
Pneumatic connection 1: male thread R1/8		
[13] For tubing O.D. 4 mm	8112913	NPQE-D-R18-Q4-P10
For tubing O.D. 6 mm	8112914	NPQE-D-R18-Q6-P10
For tubing O.D. 8 mm	8112915	NPQE-D-R18-Q8-P10
For tubing O.D. 10 mm	8112916	NPQE-D-R18-Q10-P10
For tubing O.D. 12 mm	8112917	NPQE-D-R18-Q12-P10

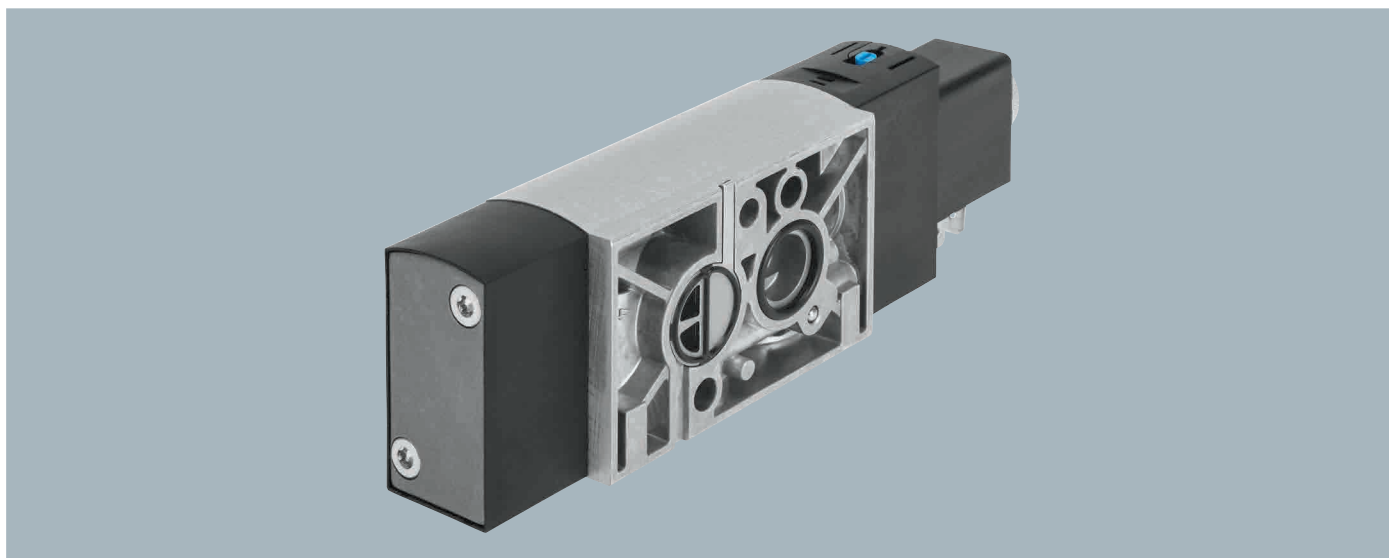
Cover cap VAMC

Description	Part no.	Type
For manual override, non-detenting or covered	8049538	VAMC-B10-20-CH2-S

Accessories

Plug socket with cable KMEB			
Electrical connection	Cable length	Part no.	Type
24 V DC, with LED			
3-pin	2.5 m	151688	KMEB-1-24-2.5-LED
	5 m	151689	KMEB-1-24-5-LED
	10 m	193457	KMEB-1-24-10-LED

Plug socket MSSD-E				
Electrical connection	Cable connection	Nominal conductor cross section	Part no.	Type
Plug pattern type C, to DIN EN 175301-803				
3-pin, angled	Screw terminal	≤0.75 mm ²	151687	MSSD-EB
4-pin, angled		0.25 ... 0.5 mm ²	192745	MSSD-EB-S-M14
3-pin, angled		1.5 mm ²	539712	M SSD-EB-M12



You need a Namur valve for a range of applications.
You want to combine explosion protection with a good price.
We provide you with a future-oriented valve solution.

→ **WE ARE THE ENGINEERS
OF PRODUCTIVITY.**

Festo Vertrieb GmbH & Co. KG
Postfach
73726 Esslingen Festo Campus 1
73734 Esslingen
Germany
info_de@festo.com