

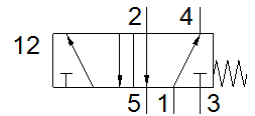
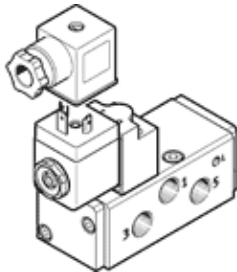
# Solenoid valve

## VSNB-F-M52-M-G14-1A1-EX4A

Part number: 547023  
Product to be discontinued

FESTO

With NAMUR port pattern to VDE/VDI 3845, with solenoid coil and plug socket.



## Data sheet

Feature	Value
Valve function	5/2 monostable
Type of actuation	electrical
Width	44.5 mm
Standard nominal flow rate	950 l/min
Operating pressure	2.5 ... 8 bar
Design structure	Piston slide
Type of reset	mechanical spring
Protection class	IP65
Nominal size	8 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Conforms to standard	VDI/VDE 3845 (NAMUR)
Manual override	None
Type of piloting	Piloted
Flow direction	non reversible
Freedom from overlap	Yes
Pilot pressure	2.5 ... 8 bar
Switching time off	165 ms
Switching time on	45 ms
Duty cycle	100%
Required current consumption	27 mA
Max. input power	1.6 W
Max. input voltage	28 V
Max. input current	115 mA
effective inductivity	negligibly small
effective capacity	negligibly small
Permissible voltage fluctuation	-10 % / +15 %
ATEX category Gas	II 2G
Explosion ignition protection type Gas	Ex ia IIC T6 X
ATEX category Dust	II 2D
Explosion ignition protection type Dust	Ex tD A21 IP65 T80°C X
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +50°C
Certificate issuing department	PTB 09 ATEX 2043
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)
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
Corrosion resistance classification CRC	2
Medium temperature	-10 ... 60 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:-:-]
Product weight	560 g
Electrical connection	Per DIN EN 175301-803

Feature	Value
	Design A
Mounting type	On sub-base
Scavenging orifice connection	M5
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	Sub-base
Pneumatic connection, port 3	M5
Pneumatic connection, port 4	Sub-base
Pneumatic connection, port 5	G1/4
Materials note	Contains PWIS substances Conforms to RoHS
Materials information for seals	HNBR NBR
Materials information, housing	Wrought Aluminium alloy Anodised
Screw material data	High alloy steel, non-corrosive