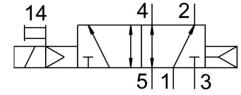
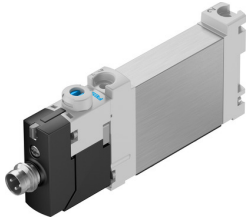


# Air solenoid valve VUVG-BK10-M52-AT-F-1R8L-S

FESTO

Part number: 8042559



## Data sheet

Feature	Value
Valve function	5/2, monostable
Actuation type	Electrical
Valve size	10 mm
Standard nominal flow rate	160 l/min
Pneumatic working port	Flange
Operating voltage	24V DC
Operating pressure	0.25 MPa ... 0.7 MPa
Operating pressure	2.5 bar ... 7 bar
Structural design	Piston gate valve
Reset method	Pneumatic spring
Degree of protection	IP65
Type code	VUVG
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Symbol	00992908
Lap	Overlap
Signal status display	LED
Max. switching frequency	2 Hz
Switching time off	17 ms
On switching time	14 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1600 µs
Max. negative test pulse on 1 signal	3000 µs
Coil characteristics	24 V DC: 0.8 W
Permissible voltage fluctuations	+/- 10 %
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27

Feature	Value
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Temperature of medium	-5 °C ... 50 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C ... 50 °C
Product weight	50 g
Electrical connection	3-pin M8x1 A-coded as per EN 61076-2-104 Plug
Type of mounting	On terminal strip With through-hole
Pneumatic connection 2	Flange
Pneumatic connection 4	Flange
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Seals material	HNBR NBR
Housing material	Wrought aluminum alloy