

# Solenoid valve

## VUVG-S18-M52-MZT-G14-1T1L

FESTO

Part number: 8004880



 [General operating condition](#)

## Data sheet

Feature	Value
Valve function	5/2-way, single solenoid
Type of actuation	Electrical
Valve size	18 mm
Standard nominal flow rate (standardised to DIN 1343)	1150 l/min
pneumatic working port	G1/4
Operating voltage	24 V DC
Operating pressure	-0.09 MPa ... 0.8 MPa
Operating pressure	-0.9 bar ... 8 bar
Design	Piston gate valve
Type of reset	Mechanical spring
Approval	c UL us - Recognised (Oil)
Degree of protection	IP65 IP67
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting
Type of piloting	Piloted
Pilot air supply	External
Flow direction	Reversible
Symbol	00991025
lap	Indeterminate overlap
Signal status display	LED
Pilot pressure	0.3 MPa ... 0.8 MPa
Pilot pressure	3 bar ... 8 bar
Max. switching frequency	3 Hz
Switching time off	50 ms
Switching time on	13 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	1600 µs
Max. negative test pulse with 1 signal	3000 µs
Characteristic coil data	22 V DC: 1.0 W
Permissible voltage fluctuations	+/-10%
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]

<b>Feature</b>	<b>Value</b>
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-5 °C ... 60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C ... 60 °C
Product weight	138 g
Electrical connection	Via E-box
Type of mounting	On manifold rail
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 4	G1/4
Note on materials	RoHS compliant
Material seals	HNBR NBR
Material housing	Wrought aluminium alloy