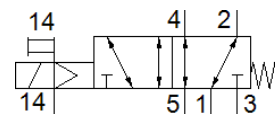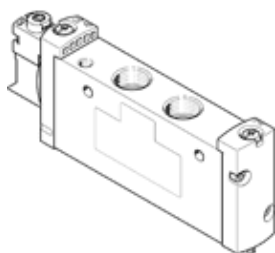# solenoid valve
VUVG-L18-M52-MZT-G14-1P3
Part number: 574438

FESTO

This type is suitable for vacuum.

Data sheet

Feature	values
Valve function	5/2 monostable
Type of actuation	electrical
Valve size	18 mm
Standard nominal flow rate	1,300 l/min
Operating pressure	-0.9 ... 10 bar
Design structure	Piston slide
Type of reset	mechanical spring
Protection class	IP40 IP65 with plug socket
Authorisation	RCM Mark c CSA us (OL) c UL us - Recognized (OL)
Nominal size	6.9 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	detenting Pushing Covered
Type of piloting	Piloted
Pilot air supply	external
Note on forced dynamisation	Switching frequency at least once a week
Pilot pressure	3 ... 8 bar
Switching time off	22 ms
Switching time on	15 ms
Duty cycle	100%
Characteristic coil data	24 V DC: 1 W 24 V DC: low-current phase 0.3 W, high-current phase 1.0 W
Permissible voltage fluctuation	+/- 10 %
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)
Restriction ambient and medium temperature	-5 - 50 °C Without holding current reduction
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Medium temperature	-5 ... 60 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 ... 60 °C
Product weight	154 g
Electrical connection	Via electrical connection plate
Mounting type	Optional on manifold rail with through hole

Feature	values
Auxiliary pilot air port 12/14	M5
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 4	G1/4
Pneumatic connection, port 5	G1/4
Materials note	Conforms to RoHS
Materials information for seals	HNBR
	NBR
Materials information, housing	Wrought Aluminium alloy