solenoid valve
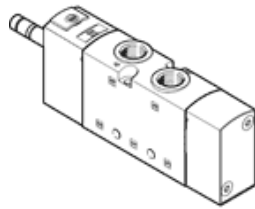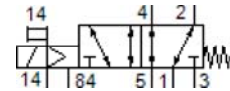# VUVS-L20-M52-MZD-G18-F7
Part number: 575679

FESTO

📄 General operating conditions

📄 Data sheet

Data sheet

Feature	Value
Valve function	5/2 monostable
Type of actuation	electrical
Valve size	21 mm
Standard nominal flow rate	700 l/min
Operating pressure	-0.9 ... 10 bar
Design structure	Piston slide
Type of reset	mechanical spring
Authorisation	c UL us - Recognized (OL)
Nominal size	5.7 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Manual override	detenting Pushing
Type of piloting	Piloted
Pilot air supply	external
Flow direction	reversible
Freedom from overlap	Yes
Pilot pressure	2.5 ... 10 bar
b value	0.35
C value	2.9 l/sbar
Switching time off	44 ms
Switching time on	12 ms
Max. positive test pulse with logic 0	1,900 µs
Max. negative test pulse with logic 1	2,700 µs
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)
Vibration resistance	Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Medium temperature	-10 ... 60 °C
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-10 ... 60 °C
Product weight	183 g
Mounting type	Optional on manifold rail with through hole
Scavenging orifice connection	Non-ducted
Pilot exhaust port 84	M5
Pilot air port 14	M5
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8

Feature	Value
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	G1/8
Materials note	Conforms to RoHS
Material seals	HNBR NBR
Material housing	Aluminium die cast Painted
Material Piston slide	Wrought Aluminium alloy
Material screws	steel, galvanized