solenoid valve
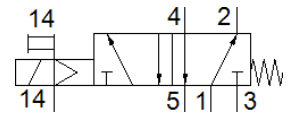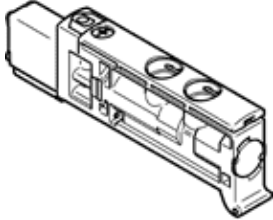## VUVB-ST12-M52-MZH-QX-1T1

Part number: 557649
Classic - do not use for new projects

Modern alternatives can be found by entering the first four characters
of the type code in the search field.

FESTO

Data sheet

Feature	Value
Valve function	5/2 monostable
Type of actuation	electrical
Valve size	12 mm
Standard nominal flow rate	240 ... 400 l/min
Operating pressure	2.8 ... 8 bar
Design structure	Poppet valve with spring return
Type of reset	mechanical spring
Protection class	IP65
Nominal size	4 mm
Exhaust-air function	not throttleable
Sealing principle	soft
Assembly position	Any
Manual override	Pushing
Type of piloting	Piloted
Pilot air supply	external
Flow direction	non reversible
Note on operating pressure	0 - 8 bar with external pilot air
Pilot pressure	2.8 ... 8 bar
Switching time off	14 ms
Switching time on	6 ms
Duty cycle	100 %
Max. positive test pulse with logic 0	800 µs
Max. negative test pulse with logic 1	300 µs
Characteristic coil data	24 V DC: 1 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)
Vibration resistance	Transport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC	0 - No corrosion stress
Medium temperature	-5 ... 60 °C
Sound pressure level	85 dB(A)
Ambient temperature	-5 ... 60 °C
Product weight	27.5 g
Electrical connection	via manifold block
Mounting type	On sub-base
Auxiliary pilot air port 14	Sub-base
Pneumatic connection, port 1	Sub-base
Pneumatic connection, port 3	Sub-base
Pneumatic connection, port 5	Sub-base

Feature	Value
Materials note	Free of copper and PTFE
	Conforms to RoHS
Material seals	NBR
	TPE-U(PU)
Material housing	PA-reinforced
Material Piston slide	Wrought Aluminium alloy