

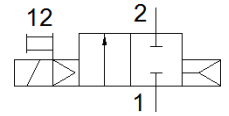
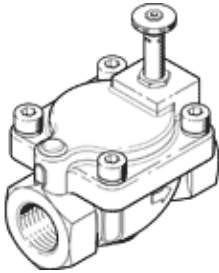
solenoid valve

VZWM-L-M22C-G114-F5

Part number: 546151

FESTO

Solenoid-actuated diaphragm valve, normally closed, brass version.



Data sheet

Feature	values
Design structure	Poppet valve with diaphragm seal
Type of actuation	electrical
Sealing principle	soft
Assembly position	Preferably upright
Mounting type	Line installation
Process valve connection	G1 1/4
Electrical connection	Solenoid coil type MH (order separately)
Nominal size	40 mm
Valve function	2/2 closed, monostable
Flow direction	non reversible
Medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Water Neutral fluids
Operating pressure of process valve for liquid media	0.7 ... 6 bar
Operating pressure of process valve for gaseous media	0.7 ... 10 bar
Differential pressure	0.7 bar
Type of piloting	Piloted
Max. viscosity	22 mm ² /s
Medium temperature	-10 ... 60 °C
Temperature of liquid media	5 ... 50 °C
Ambient temperature	-10 ... 60 °C
Flow rate Kv	21.3 m ³ /h
Standard nominal flow rate	24,000 l/min
Switching time on	26 ms
Response time "on" for liquid media	1,400 ms
Switching time off	20 ms
Response time "off" for liquid media	1,900 ms
b value	0.6
C value	75 l/sbar
Materials note	Contains PWIS substances Conforms to RoHS
Materials information, housing	Brass
Material number for housing	2.0402
Materials information for seals	NBR
Material information for plunger tube	High alloy steel
Product weight	2,850 g
CE mark (see declaration of conformity)	to EU directive pressure devices
Corrosion resistance classification CRC	1 - Low corrosion stress
Max. torque for cover screw	30 Nm
Max. tightening torque, connecting thread	450 Nm
Max. torque for coil fastening	2 Nm