

# Air solenoid valve

## VZWD-L-M22C-M-N14-20-V-1P4-40-R1

FESTO

Part number: 1491897



[PDF](#) General operating condition

## Data sheet

Feature	Value
Structural design	Directly actuated poppet valve
Actuation type	Electrical
Sealing principle	Soft
Mounting position	Any
Type of mounting	In-line installation
Fitting connection	1/4 NPT
Electrical connection	Plug As per EN 175301-803 Rectangular design
Nominal width	2 mm
Valve function	2/2-way, closed, monostable
Manual override	None
Flow direction	Non-reversible
Medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas Mineral oil Water Neutral liquids Other flow media on request
Nominal pressure of fitting PN	100
Pressure difference	0 MPa
Differential pressure	0 bar
Pressure difference	0 psi
Coil characteristics	24 V DC: 11.0 W
Insulation class	H
Permissible voltage fluctuations	+/- 10%
Duty cycle	100%
Reset method	Mechanical spring
Type of control	directly
Symbol	00992979
Medium pressure	0 MPa ... 4 MPa

Feature	Value
Medium pressure	0 bar ... 40 bar
Medium pressure	0 psi ... 580 psi
Max. viscosity	22 mm <sup>2</sup> /s
Temperature of medium	-10 °C ... 80 °C
Ambient temperature	-10 °C ... 35 °C
Leak rate to EN 12266-1	A
Flow rate Kv	0.13 m <sup>3</sup> /h
Normal nominal flow rate (normalized to DIN 1343)	140 l/min
On switching time	20 ms
Switching time off	18 ms
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364 Zone III
Housing material	high-alloy stainless steel
Material number of housing	1,4305
Seals material	FPM
Armature tube material	High-alloy steel
Product weight	650 g
Degree of protection	IP65
Corrosion resistance class (CRC)	3 - High corrosion stress
Max. tightening torque for connecting thread	35 Nm
Max. tightening torque for coil fastening	2 Nm