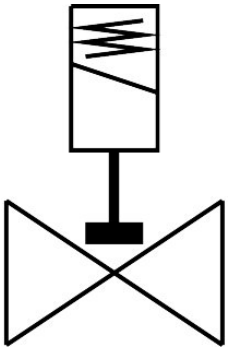
Air solenoid valve
VZWD-L-M22C-M-N18-20-V-1P4-15

Part number: 1491866



General operating condition

Data sheet

Feature	Value
Structural design	Directly controlled poppet valve
Actuation type	Electrical
Sealing principle	Soft
Mounting position	Any
Type of mounting	Line installation
Fitting connection	1/8 NPT
Electrical connection	Plug as per EN 175301-803 Rectangular design
Nominal width	2 mm
Valve function	2/2, 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	50
Pressure difference	0 MPa
Differential pressure	0 bar
Pressure difference	0 psi
Coil characteristics	24 V DC: 6.8 W
Insulation class	H
Permissible voltage fluctuations	+/- 10 %
Duty cycle	100%
Reset method	Mechanical spring
Type of control	Direct
Symbol	00992979
Medium pressure	0 MPa ... 1.5 MPa

Feature	Value
Medium pressure	0 bar ... 15 bar
Medium pressure	0 psi ... 217.5 psi
Max. viscosity	22 mm²/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 m³/h
Normal nominal flow rate (normalized to DIN 1343)	140 l/min
On switching time	25 ms
Switching time off	10 ms
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Housing material	Brass
Material number of housing	CW614N
Seals material	FPM
Armature tube material	High-alloy steel
Product weight	300 g
Degree of protection	IP65
Corrosion resistance class (CRC)	1 - Low corrosion stress
Max. tightening torque for connecting thread	10 Nm
Max. tightening torque for coil fastening	2 Nm