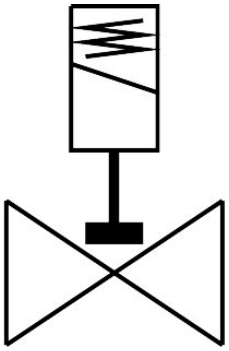
Solenoid valve
VZWD-L-M22C-M-N14-25-V-1P4-8

Part number: 1491870



General operating condition

Data sheet

Feature	Value
Design	Directly actuated poppet valve
Type of actuation	Electric
Sealing principle	Soft
Mounting position	optional
Type of mounting	In-line installation
Connection Process valve	1/4 NPT
Electrical connection	Plugs To EN 175301-803 Square design
Nominal size	2.5 mm
Valve function	2/2-way, closed, monostable
Manual override	None
Flow direction	Non-reversible
Medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Mineral oil Water Neutral fluids Other media on request
Nominal pressure PN	50
Pressure difference	0 MPa
Pressure difference	0 bar
Pressure difference	0 psi
Characteristic coil data	24 V DC: 6.8 W
Insulation material class	H
Permissible voltage fluctuations	+/- 10 %
Duty cycle	100%
Type of reset	Mechanical spring
Type of piloting	Direct
Symbol	00992979
Medium pressure	0 MPa ... 0.8 MPa

Feature	Value
Medium pressure	0 bar ... 8 bar
Medium pressure	0 psi ... 116 psi
Max. viscosity	22 mm²/s
Media temperature	-10 °C ... 80 °C
Ambient temperature	-10 °C ... 35 °C
Leakage rate to EN 12266-1	A
Flow rate Kv	0.16 m³/h
Standard nominal flow rate (standardised to DIN 1343)	170 l/min
Switching time on	25 ms
Switching time off	10 ms
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Material housing	Brass
Material number housing	CW614N
Material seals	FPM
Material plunger tube	High-alloy steel
Product weight	350 g
Degree of protection	IP65
Corrosion resistance class CRC	1 - Low corrosion stress
Max. tightening torque for connecting thread	35 Nm
Max. tightening torque for coil fastening	2 Nm