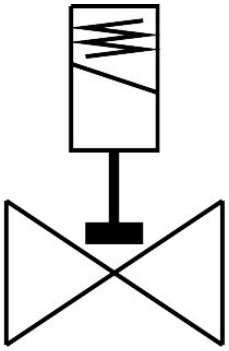
Solenoid valve
VZWD-L-M22C-M-N18-10-V-2AP4-90

Part number: 1491949



Data sheet

Feature	Value
Design	Directly actuated poppet valve
Type of actuation	Electrical
Sealing principle	Soft
Mounting position	Any
Type of mounting	Inline installation
Connection Process valve	1/8 NPT
Electrical connection	Type A Plug To EN 175301-803 Square design
Nominal size	1 mm
Valve function	2/2-way, single solenoid, closed
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	100
Pressure difference	0 MPa 0 bar 0 psi
Characteristic coil data	110 V AC: 50/60 Hz, pick-up power 19.0 VA, holding power 16.0 VA
Insulation material class	F
Permissible voltage fluctuations	+/-10%
Duty cycle	100%
Type of reset	Mechanical spring

Feature	Value
Type of piloting	Direct
Medium pressure	0 MPa...9 MPa 0 bar...90 bar 0 psi...1305 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	0.06 m³/h
Standard nominal flow rate (standardised to DIN 1343)	60 l/min
Switching time on	20 ms
Switching time off	18 ms
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364 zone III
Material housing	Cast brass
Material number housing	CW617N
Material seals	Fluoro rubber
Material plunger tube	High-alloy steel
Product weight	550 g
CE mark (see declaration of conformity)	To EU Low Voltage Directive
UKCA marking (see declaration of conformity)	To UK regulations for electrical equipment
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