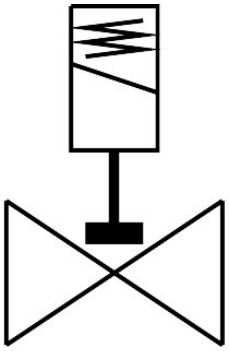
Solenoid valve
VZWD-L-M22C-M-N14-50-V-3AP4-5-R1

Part number: 1492096



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	1/4 NPT
Electrical connection	Type A Plug To EN 175301-803 Square design
Nominal size	5 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	230 V AC: 50/60 Hz, pick-up power 18.0 VA, holding power 15.0 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...0.5 MPa 0 bar...5 bar 0 psi...72.5 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	0.35 m³/h
Standard nominal flow rate (standardised to DIN 1343)	375 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	High-alloy stainless steel
Material number housing	1,4305
Material seals	Fluoro rubber
Material plunger tube	High-alloy steel
Product weight	650 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	3 - high corrosion stress
Max. tightening torque for connecting thread	35 Nm
Max. tightening torque for coil fastening	2 Nm