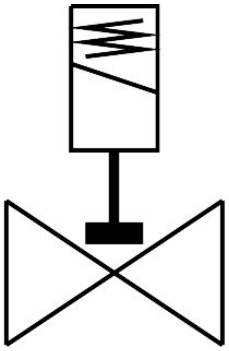
Solenoid valve
VZWD-L-M22C-M-N18-25-V-1P4-22-R1

Part number: 1491890



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	2.5 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	24 V DC: 11.0 W
Insulation material class	H
Permissible voltage fluctuations	+/-10%
Duty cycle	100%
Type of reset	Mechanical spring

Feature	Value
Type of piloting	Direct
Medium pressure	0 MPa...2.2 MPa 0 bar...22 bar 0 psi...319 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	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	500 g
Degree of protection	IP65
Corrosion resistance class CRC	3 - high corrosion stress
Max. tightening torque for connecting thread	10 Nm
Max. tightening torque for coil fastening	2 Nm