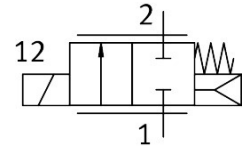


# Proportional directional control valve VPWS-6-B-6-PC15-7-V

Part number: 8074538

**FESTO**



## Data sheet

Feature	Value
Nominal width	6 mm
Actuation type	Electrical
Sealing principle	Soft
Mounting position	Any
Structural design	Directly controlled poppet valve
Reset method	Mechanical spring
Type of control	Direct
Flow direction	Non-reversible
Valve function	2/2 proportional directional control valve, closed
Operating pressure	0 MPa...0.7 MPa 0 bar...7 bar
Nominal operating pressure	0.7 MPa 7 bar 101.5 psi
Burst pressure	2.1 MPa 21 bar 304.5 psi
Standard flow rate	270 l/min...350 l/min
Hysteresis	22.5 mA
On switching time	10 ms
Current regulating range	0 mA...225 mA
Max. electrical power consumption	3 W
Coil resistance	60.5 Ohm
Duty cycle	100% (see operating instructions)
Oxygen suitability according to standard	ISO 15001
Biocompatibility according to standard	ISO 18562
Impurity level, hydrocarbons maximum	500 MGM
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Note on vibration resistance	Oscillation in the Z direction can lead to fluctuations in the flow rate
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Note on shock resistance	A shock in the Z-direction can lead to fluctuations in the flow rate
Corrosion resistance class (CRC)	1 - Low corrosion stress

Feature	Value
LABS (PWIS) conformity	VDMA24364 zone III
Medium	Inert gas Air Oxygen
Information on medium	Operation with oil lubrication not possible Maximum particle size 10 µm
Temperature of medium	5 °C...50 °C
Degree of protection	IP60
Note on degree of protection	IP65 with suitable plug In mounted state
Ambient temperature	5 °C...50 °C
Storage temperature	-40 °C...80 °C
Product weight	25 g
Electrical connection 1, connection type	Cable
Electrical connection 1, connection technology	Open end
Electrical connection 1, number of pins/wires	2
Cable length	70 mm...80 mm
Type of mounting	On sub-base Plug-in With accessories
Pneumatic connection 1	Cartridge 7.5 mm
Pneumatic connection 2	Cartridge 15 mm
Note on materials	RoHS-compliant
Seals material	FPM
Housing material	High-alloy steel