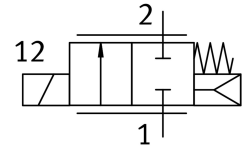


Proportional directional control valve VPWS-6-B-6-PC15-3-V

Part number: 8074537

FESTO



Data sheet

Feature	Value
Nominal size	6 mm
Type of actuation	Electric
Sealing principle	Soft
Mounting position	optional
Design	Directly actuated poppet valve
Type of reset	Mechanical spring
Type of piloting	Direct
Flow direction	Non-reversible
Valve function	2/2 proportional directional control valve, closed
Operating pressure	0 MPa...0.3 MPa 0 bar...3 bar
Nominal operating pressure	0.2 MPa 2 bar 29 psi
Burst pressure	15 bar 15 bar 217.5 psi
Standard flow rate	200 l/min...220 l/min
Hysteresis	22.5 mA
Switching time on	10 ms
Current regulating range	0 mA...225 mA
Max. electrical power consumption	3 W
Coil resistance R20	60.5 Ohm
Duty cycle	100% (see assembly instructions)
Report number for VOC emission test according to ISO 18562-3	FE 2021-450
Report number for particle emission according to ISO 18562-2	PAR_041_2022
Report number for surface cleanliness	FE_2021-498
Report surface cleanliness according to standard	ISO 15001
Maximum impurity level for hydrocarbons	500 MGM
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III

Feature	Value
Medium	Inert gases Air Oxygen
Note on the medium	Lubricated operation not possible Maximum particle size 10 µm
Media temperature	5 °C...50 °C
Degree of protection	IP60
Note on degree of protection	IP65 with suitable plug In assembled 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, connector system	Open end
Electrical connection 1, number of connections/cores	2
Cable length	70 mm...80 mm
Type of mounting	On sub-base Plug-in With accessories
Pneumatic connection, port 1	Cartridge 7.5 mm
Pneumatic connection, port 2	Cartridge 15 mm
Note on materials	RoHS-compliant
Material seals	FPM
Material housing	High-alloy steel