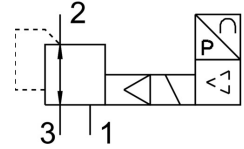


Proportional pressure control valve VPPE-3-1/8-6-010

Part number: 539639

FESTO



Data sheet

Feature	Value
Nominal width pressurization	5 mm
Exhaust nominal width	2.5 mm
Actuation type	Electrical
Sealing principle	Soft
Mounting position	Any Preferably vertical
Structural design	Pilot-controlled piston control valve
Short-circuit protection	For all electrical connections
Safety instructions	VPPE safety position: if the supply cable breaks, the outlet pressure is maintained in uncontrolled form.
Symbol	00995303
Reverse polarity protection	for all electrical connections
Valve function	3-way proportional pressure control valve closed
Operating pressure	0.8 MPa
Operating pressure	≤8 bar
Pressure regulation range MPa	0.015 MPa ... 0.6 MPa
Pressure regulation range	0.15 bar ... 6 bar
Inlet pressure 1	6 bar ... 8 bar
Inlet pressure 1 MPa	0.6 MPa ... 0.8 MPa
Max. pressure hysteresis	0.015 MPa
Max. pressure hysteresis	0.15 bar
Standard nominal flow rate	850 l/min
Switching time off	1300 ms
On switching time	550 ms
DC operating voltage range	21.6 V ... 26.4 V
Max. current consumption	150 mA
Max. electrical power consumption	3.6 W
Residual ripple	10 %
Setpoint/actual values	Voltage type 0 - 10 V
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas
Information on operating and pilot media	Operation with oil lubrication not possible
Certification	RCM compliance mark c UL us - Listed (OL)
KC characters	KC EMC
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	2 - Moderate corrosion stress

Feature	Value
LABS conformity	VDMA24364-B2-L
Temperature of medium	10 °C ... 50 °C
Degree of protection	IP65
Ambient temperature	10 °C ... 50 °C
Product weight	445 g
Linearity	1 %FS
Hysteresis	2.5 %FS
Reproducibility	0.5 %FS
Overall accuracy	2.25 %FS
Temperature coefficient	0.04 %/K
Electrical connection	4-pin M12x1 Plug Round design
Type of mounting	With through-hole
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Note on materials	RoHS-compliant
Housing material	Wrought aluminum alloy
Diaphragm material	NBR