

Proportional pressure control valve VPPE-3-1-1/8-10-420-E1

Part number: 557776

FESTO



Data sheet

Feature	Value
KC characters	KC EMC
Nominal width pressurization	5 mm
Overall accuracy	1.25 %FS
Linearity	1 %FS
Reproducibility	0.5 %FS
Hysteresis	0.5 %FS
Exhaust nominal width	2.5 mm
Type code	VPPE
Actuation type	Electrical
Sealing principle	Soft
Mounting position	Any Preferably upright
Design	Pilot-controlled diaphragm regulator
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
Reset method	Mechanical spring
Type of control	Pilot-controlled
Valve function	3-way proportional pressure control valve
Display type	LED display 3-digit
Pressure regulation range	0.1 bar ... 10 bar
Inlet pressure 1	6 bar ... 11 bar
Max. pressure hysteresis	0.05 bar
Standard nominal flow rate	1250 l/min
DC operating voltage range	21.6 V ... 26.4 V
Max. current consumption	160 mA
Duty cycle	100%
Max. electrical power consumption	4.2 W
Residual ripple	10 %
Switching output	PNP
Analog output signal range	4 - 20 mA
Analog input signal range	4 - 20 mA
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas

Feature	Value
Information on operating and pilot media	Operation with oil lubrication not possible
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Temperature of medium	10 °C ... 50 °C
Degree of protection	IP65
Ambient temperature	0 °C ... 60 °C
Certification	RCM compliance mark c UL us - Listed (OL)
Product weight	390 g
Temperature coefficient	0.04 %/K
Electrical connection	5-pin M12 Plug
Type of mounting	With through-hole
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Pneumatic connection 3	G1/8
Note on materials	Free of copper and PTFE RoHS-compliant
Housing material	Wrought aluminum alloy Anodized