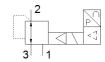
proportional pressure regulator VPPE-3-1-1/8-2-010-E1T Part number: 557777







Data sheet

Feature	Value
Nominal diameter, pressurisation	5 mm
Nominal diameter, exhaust	2.5 mm
Type of actuation	electrical
Sealing principle	soft
Assembly position	Any
•	Preferably upright
Design structure	Pilot actuated diaphragm regulator
Short circuit strength	for all electrical connections
Safety instructions	VPPE safety position: If the power supply cable is interrupted, output
	pressure is maintained unregulated.
Polarity protected	for all electrical connections
Type of reset	mechanical spring
Type of piloting	Piloted
Valve function	3-way proportional-pressure regulator
Type of display	LED display
	3-digit
Pressure regulation range MPa	0.002 0.2 MPa
Pressure regulation range	0.02 2 bar
Inlet pressure 1	3 4 bar
Supply pressure 1 MPa	0.3 0.4 MPa
Max. pressure hysteresis (MPa)	0.002 MPa
Max. pressure hysteresis	0.02 bar
Standard nominal flow rate	310 l/min
Operating voltage range DC	21.6 26.4 V
Max. current consumption	160 mA
Duty cycle	100 %
Max. electrical power consumption	4.2 W
Residual ripple	10 %
Switch output	PNP
Signal range, analogue output	0 - 10 V
Signal range, analogue input	0 - 10 V
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
	Inert gases
Note on operating and pilot medium	Lubricated operation not possible
Authorisation	RCM Mark
	c UL us - Listed (OL)
KC mark	KC-EMV
CE mark (see declaration of conformity)	to EU directive for EMC
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Medium temperature	10 50 °C
Protection class	IP65
Ambient temperature	0 60 °C
Product weight	390 g
Linearity error in ± %FS	1 %FS
Temperature coefficient	0.04 %/K
Repetition accuracy in ± %FS	0.5 %FS



Feature	Value
Electrical connection	5-pin
	M12
	Plug
Mounting type	with through hole
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Materials note	Free of copper and PTFE
	Conforms to RoHS
Material housing	Wrought Aluminium alloy
	Anodised