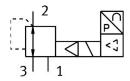
Proportional-pressure regulator VPPM-6L-L-1-G18-0L6H-V1N-S1C1 Part number: 571448

FESTO





Data sheet

Feature	Value
Nominal size, supply	6 mm
Nominal size, exhaust	4.5 mm
Type of actuation	Electric
Sealing principle	Soft
Mounting position	optional
Design	Piloted diaphragm regulator
Short circuit current rating	For all electrical connections
Safety instructions	Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated.
Reverse polarity protection	For all electrical connections
Type of reset	Mechanical spring
Type of piloting	Pilot actuated
Valve function	3-way proportional pressure regulator
Display type	Back-lit LCD
Pressure regulation range	0.006 MPa0.6 MPa 0.06 bar6 bar
Inlet pressure 1	0 bar8 bar 0 MPa0.8 MPa
Max. pressure hysteresis	0.03 bar
Standard nominal flow rate (standardised to DIN 1343)	900 l/min
Operational voltage range DC	21.6 V26.4 V
Max. current consumption	300 mA
Duty cycle	100%
Max. electrical power consumption	7 W
Residual ripple	10 %
Signal range analogue output	0 - 10 V
Signal range analogue input	0 - 10 V
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases
Note on operating and pilot medium	Lubricated operation not possible
Approval	RCM trademark c UL us listed (OL)
KC mark	KC-EMV

Feature	Value	
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive	
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions	
Certificate issuing authority	UL E322346	
Corrosion resistance class CRC	2 - Moderate corrosion stress	
LABS (PWIS) conformity	VDMA24364-B1/B2-L	
Media temperature	10 °C50 °C	
Degree of protection	IP65	
Ambient temperature	0 °C60 °C	
Product weight	400 g	
Linearity	1 %FS	
Hysteresis	0.5 %FS	
Reproducibility	0.5 %FS	
Total accuracy	1.25%FS	
Temperature cooefficient	0.04 %/K	
Repetition accuracy FS	0.5 %	
Electrical connection	8-pin M12 Plugs	
Type of mounting	With through-hole With accessories Either:	
Pneumatic connection, port 1	G1/8	
Pneumatic connection, port 2	G1/8	
Pneumatic connection, port 3	G1/8	
Note on materials	RoHS-compliant	
Material housing	Wrought aluminium alloy Anodised	