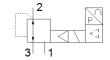
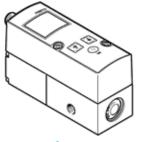
Proportional pressure regulator VPPM-8L-L-1-G14-0L10H-V1P-S1C1 Part number: 571293







Data sheet

Feature	Value
Nominal diameter, pressurization	8 mm
Nominal diameter, exhaust	7 mm
Type of actuation	electrical
Sealing principle	soft
Assembly position	Any
Design structure	Pilot actuated diaphragm regulator
Short circuit strength	for all electrical connections
Safety instructions	VPPM 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	Backlit LCD
Pressure regulation range MPa	0.01 1 MPa
Pressure regulation range	0.1 10 bar
Inlet pressure 1	0 11 bar
Supply pressure 1 MPa	0 1.1 MPa
Max. pressure hysteresis	0.05 bar
Standard nominal flow rate	2.750 l/min
Operating voltage range DC	21.6 26.4 V
Max. current consumption	300 mA
Duty cycle	100 %
Max. electrical power consumption	7 W
Residual ripple	10 %
Switch output	PNP
Signal range, analog output	0 - 10 V
Signal range, analog 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
Authorization	RCM Mark
	c UL us - Listed (OL)
KC mark	KC-EMV
CE symbol (see declaration of conformity)	according to EU-EMV guideline
, , ,	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	To UK RoHS instructions
Certificate issuing department	UL E322346
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Medium temperature	10 50 °C
Protection class	IP65
Ambient temperature	0 50 °C
Product weight	560 g
Linearity	1 %FS



Feature	Value
Hysteresis	0.5 %FS
Reproducibility	0.5 %FS
Overall accuracy	1,25 %FS
Temperature coefficient	0.04 %/K
FS repetition accuracy	0.5 %
Electrical connection	8-pin
	M12
	Plug
Mounting type	with through hole
	with accessories
	Optional
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Materials note	Conforms to RoHS
Material housing	Wrought Aluminum alloy
	Anodized