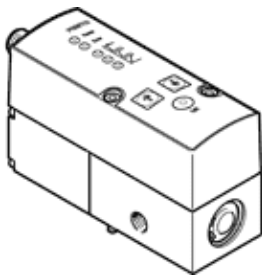


proportional pressure regulator VPPM-8L-L-1-G14-0L10H-V1N-S1

Part number: 571291

FESTO



Data sheet

Feature	values
Nominal diameter, pressurisation	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	LED
Pressure regulation range	0.1 ... 10 bar
Inlet pressure 1	0 ... 11 bar
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	NPN
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
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
Authorisation	RCM Mark c UL us - Listed (OL)
Product weight	560 g
Linearity error, FS	1 %
Temperature coefficient	0.04 %/K
FS repetition accuracy	0.5 %
Electrical connection	Plug M12 8-pin
Mounting type	Optional with through hole with accessories

Feature	values
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Materials note	Conforms to RoHS
Materials information, housing	Wrought Aluminium alloy Anodised