PROPORTIONAL PRESSURE REGULATOR ON PCB, ACCURATE TO 0.2%

Proportional control valve with closed loop control technology for better control of pressurised gases. The instrument can be built as single closed loop or dual closed loop control valve. dry, lubricated or unlubricated and 5 µm filtered compressed air or non-corrosive gases Description Media

Fail freeze constant outlet pressure at voltage drop

 $0...10 \text{ V, impedance } 4.7 \text{ k}\Omega$, Second loop ratio of internal to external relationship is 10% to 90%

Supply voltage Impedance 15...24 V DC, residual ripple < 10%, with reverse voltage protection 0...10 V / 4.7 k Ω , 4...20 mA / 100 Ω , jumper selectable comm jumper selectable command Monitor signal Electrical connection

0...10 V at max. 10 mA terminal strip for 2.5 mm²

Power consumption Linearity / Hysteresis 3.6 W regulating, 0.5 W non-regulating < 0.15% FS

Temperature influence

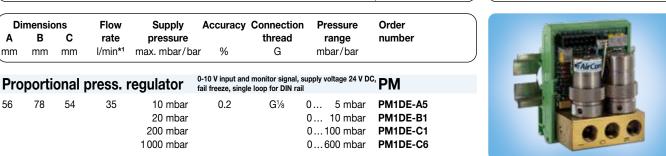
Temperature range

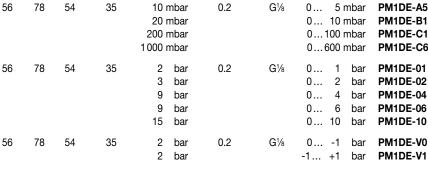
< 1% FS at 0 °C to 50 °C / 32 °F to 122 °F 0 °C to 70 °C / 32 °F to 158 °F

Air consumption Repeatability Adjustment Mounting position

without constant bleed < 0.02 FS zero point and span any, vibration-resistant

Material			Ports: brass Transducer: aluminium and		silicon	Elastomer: Valves:	FKM nickel-plated brass		
Dimensio		ns	Flow	Supply	Accuracy	Connection	Pressure	Order	
A	В	С	rate	pressure		thread	range	number	
mm	mm	mm	l/min*1	max. mbar/bar	%	G	mbar/bar		







PM.D

with single or

double loop

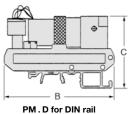
PM.P panel mounting

Special options, add the appropriate letter

PM**2** . . - . . double loop second loop feedback 0 ...10 V 4-20 mA supply signal, jumper selectable command PM . . I- . . flow 100 I/min increased flow rate PM . . . - . . **HF** panel mounting on plane level PM.**P**.-.. mounting for manifolds connections downwards PM . M. - . .



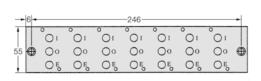
manifold block for 2 to 7 valves number of valves added to order number SBM-.

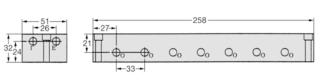


PM . P for panel mounting

Ф

30





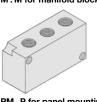
manifold block for 2 to 7 valves



PM . D for DIN rail



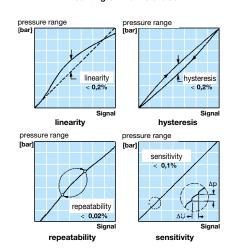
PM . M for manifold block

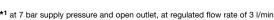


PM . P for panel mounting



mounting on manifold block





*2 higher supply pressures on request







Proport.