

PM - Carte de régulation de pression, à commande proportionnelle, pour intégration dans un système électronique

Description

Media

Fail freeze

Second loop

Supply voltage

Impedance

Monitor signal

Electrical connection

Power consumption

Linearity / Hysteresis

Temperature influence

Temperature range

Material

Proportional pressure regulator 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 constant outlet pressure at voltage drop

0 ... 10 V, impedance 4.7 kΩ, ratio of internal to external relationship is 10% to 90%

15 ... 24 V DC, residual ripple < 10%, with reverse voltage protection

0 ... 10 V / 4.7 kΩ, 4 ... 20 mA / 100 Ω, jumper selectable command

0 ... 10 V at max. 10 mA

terminal strip for 2.5 mm²

3.6 W regulating, 0.5 W non-regulating

< 0.15% FS

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

0 °C to 70 °C / 32 °F to 158 °F

Ports: brass

Transducer: aluminium and silicon

Air consumption without constant bleed

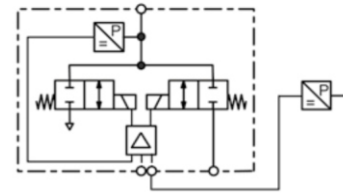
Repeatability < 0.02 FS

Adjustment zero point and span

Mounting position any, vibration-resistant

Elastomer: FKM

Valves: nickel-plated brass



with single or
double loop

Dimensions			Flow rate	Supply pressure	Accuracy	Connection	Pressure range	Order number
A	B	C	l/min*1	max. mbar/bar	%	thread	mbar/bar	
mm	mm	mm				G		

Proportional press. regulator			0-10 V input and monitor signal, supply voltage 24 V DC, fail freeze, single loop for DIN rail			PM		
56	78	54	35	10 mbar	0.2	G1/8	0 ... 5 mbar	PM1DE-A5
				20 mbar			0 ... 10 mbar	PM1DE-B1
				200 mbar			0 ... 100 mbar	PM1DE-C1
				1000 mbar			0 ... 600 mbar	PM1DE-C6
56	78	54	35	2 bar	0.2	G1/8	0 ... 1 bar	PM1DE-01
				3 bar			0 ... 2 bar	PM1DE-02
				9 bar			0 ... 4 bar	PM1DE-04
				9 bar			0 ... 6 bar	PM1DE-06
				15 bar			0 ... 10 bar	PM1DE-10
56	78	54	35	2 bar	0.2	G1/8	0 ... -1 bar	PM1DE-V0
				2 bar			-1 ... +1 bar	PM1DE-V1

Special options, add the appropriate letter

double loop

4-20 mA

flow 100 l/min

panel mounting

mounting for manifolds

second loop feedback 0 ... 10 V supply signal, jumper selectable command

increased flow rate

on plane level

connections downwards

PM2

PM . . I . . .

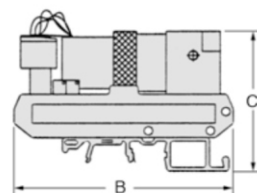
PMHF

PM . P

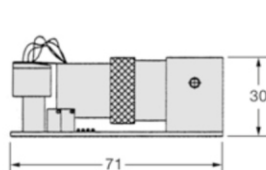
PM . M

Accessories, enclosed

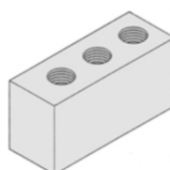
manifold block for 2 to 7 valves number of valves added to order number **SBM-**



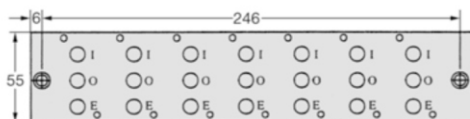
PM . D for DIN rail



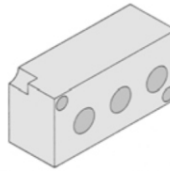
PM . P for panel mounting



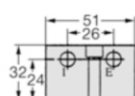
PM . D for DIN rail



PM . M for manifold block



PM . P for panel mounting



manifold block for 2 to 7 valves



*1 at 7 bar supply pressure and open outlet, at regulated flow rate of 3 l/min

*2 higher supply pressures on request



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PM . D
DIN rail mounting



PM . P
panel mounting



PM . M
mounting on manifold block

