

Specifications

Description	Unit	MPS-V9□-□CA	MPS-C9□-□CA	MPS-R9□-□CA
		Vacuum	Compound	
Fluid		Air (non corrosive, nonflammable gas)		
Diaphragm		Silicone Diaphragm		
Pressure range	kPa	- 99.9 ~ 0	- 99.9 ~ 99.9	- 100 ~ 500
Minimum unit setting	kPa	0.1		1
	kgf/cm ²	-		0.01
	bar	0.001		0.01
	psi	-		0.1
	inHg	0.1		-
	mmHg	1		1
Proof pressure	MPa	0.3		0.8
Operating ambient temperature	℃	0 ~ 50 (without freezing)		
Operating humidity	%	35 ~ 85 RH(without condensation)		
Port type		M5 port/For CONVUM mounting port		
Power supply	V	DC12 ~ 24, ripple (Vp-p) less than 5%		
Power consumption	mA	50 40		
Switch output		NPN or PNP open collector transistor		
	Current load	max.125mA 1 output		
Analog output (Option)	V	Voltage output DC1 ~ 5 (±0.1) linearity 0.5% F.S.		
Repeatability	%	±0.2 F.S., less than 1digit		
Temperature characteristic		25℃ ± 2% of F.S. or less at range of 0 ~ +50℃		
Response time	ms	less than 1.5		
Display	Digital	4 3-digit, 7-segment, Red color LED		
	Operation	OUT: Red color LED		
Protection structure		IP40		
Vibration resistance		10 ~ 55Hz, double amplitude 1.5mm/2 hours/each direction XYZ		
Shock resistance	m/s ²	980 (3 times each direction XYZ)		
Connection of power source and output		Maker: JST, model: GHR-05V-S		
Cable Specifications		5 lead wires, 24AWG UL AWM10276, 1000mm		
Mass	g	15(Body only)		

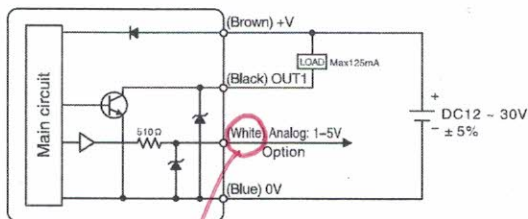
3rd symbol

4th symbol

MPS-V9()-() ()A

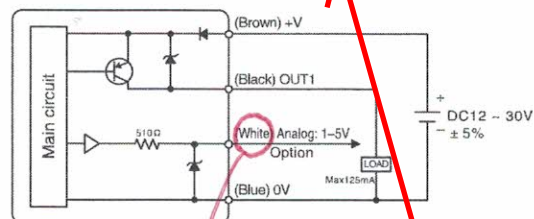
Internal circuit

NPN output (analog output: 1-5V)



ORANGE

PNP output (analog output: 1-5V)



ORANGE

5th symbol

MPS-9A series is Analog output type only.

All model are same price.

*3rd symbol means port type, M:M5(female) and C:For CONVUM Mount, price is same.

*4th symbol means Output type, N:NPN and P:PNP, price is same.

*5th symbol means cable type, G: Old model grommet cable, C: Connector type with cable, price same