


VACUUM SWITCHES

V16

I Specifications

Model	V16 - PNP open collector	V16 - NPN open collector
Applicable fluid	Air, Non corrosive gases, Incombustible gases	Air, Non corrosive gases, Incombustible gases
Pressure range	-101.0 ~ 0 kPa	-101.0 ~ 0 kPa
Withstand pressure	300 kPa	300 kPa
Pressure port	1/8" PT, M5 female	1/8" PT, M5 female
Power supply voltage	12 ~ 24 VDC ±10%, Ripple (P-P) 10% or less	12 ~ 24 VDC ±10%, Ripple (P-P) 10% or less
Power consumption	Max. 21mA	Max. 25mA
Output	PNP : open collector 1output Max. load current : 80mA	NPN : open collector 2 output Max. load current : 80mA Max. supply voltage : 30VDC
Environment	Repeatability (switch output)	≤±1% F.S
	Response time	≤5ms
	Protection structure	IP40
	Operating ambient temp.(°C)	Operation : 0°C ~ 50°C (No condensation or freezing) Storage : -20°C ~ 60°C (No condensation or freezing)
	Operating humidity	Operation / Storage : 35 ~ 85% RH (No condensation)
	Vibration resistance	Total amplitude 1.5mm 10Hz scan for 1minute Two hours each direction of X, Y and Z
	Shock resistance	980 m/s ² (100G), 3 times each in direction of X, Y and Z
Temperature characteristic	≤±3% F.S. at temp. (25°C)	≤±3% F.S. at temp. (25°C)
Hysteresis mode	1 ~ 10% of setting pressure (Adjustable)	3% F.S. or less (Fixed)
Indicator	Light at ON(Red)	Light at ON (output 1 : Red, Output2 2 : Green)
Cable	Oil-resistance 3-core 1m lead wire	Oil-resistance 4-core 1m lead wire
Weight	50g (Including 1m lead wire)	

I Build an Ordering No.

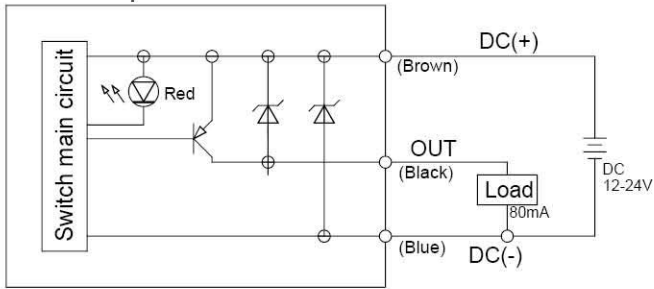
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1. Vacuum switch 2. Output type

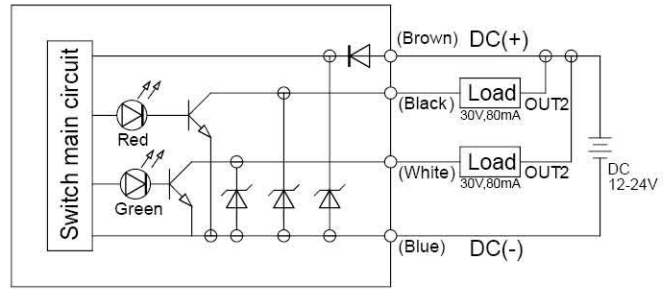


1. Vacuum switch	Description	Ordering No.
	Vacuum switch V16, Non-display	V16-1
2. Output type	Description	Ordering No.
	PNP open collector	02
	NPN open collector	03

Circuit diagram



[V16 - 1 - 02 / PNP output]



[V16 - 1 - 03 / NPN output]

Dimensions

[Unit : mm]

