

## DIN Rail-mounted 220VAC to DC Converters 5W

**Features:**

- >>Wide range input :85-265VAC (50/60Hz)
- >>Conversion Efficiency: 80%
- >>Output Power: 5W
- >>Switching frequency: 60KHz typ
- >>Overcurrent, short circuit, over-temperature protection, automatic recovery
- >>Input/Output :2500V
- >>Standard DIN35 rail mounting



**Application:**

- >>Powered analog signal isolator
- >>Isolated 4-20mA signal power
- >>Signal isolation and conversion of industrial site
- >>Two-wire 4-20mA signal isolation power
- >>Powered instrumentation

**Product Listing:**

### DIN11 POWER5 - P□ - P□

Input Voltage		Output Voltage	
voltage	code	voltage	代码
85-265VAC	P5	24VDC	P1
		15VDC	P4
		12VDC	P2
		5VDC	P3

**samples:**

- 1: Input:220VAC Output:24VDC Part No.: DIN11 POWER5-P5-P1(P5:220VAC)
- 2: Input:220VAC Output:12VDC Part No.: DIN11 POWER5-P5-P2(P5:220VAC)
- 3: Input:110VAC Output:24VDC Part No.: DIN11 POWER5-P5-P1(P5:110VAC)

Typical products list						
Part No.	Input voltage range	Output voltage / current		Max. capacitive load	Ripple and Noise:20MHz	Eff.@full load ( Type. )
		Vo ( V )	Io(m A)			
DIN11 POWER5-P5-P3	85-265VAC	+5.0 V	1000 m A	1000	80	76%
DIN11 POWER5-P5-P2		+12.0 V	420 m A	470	120	80%
DIN11 POWER5-P5-P1		+24.0 V	210m A	220	120	80%

**Technology parameters:**

(Test condition: General Nominal Line, T<sub>c</sub>= 25 °C, Rated resistant load unless other wise specified)

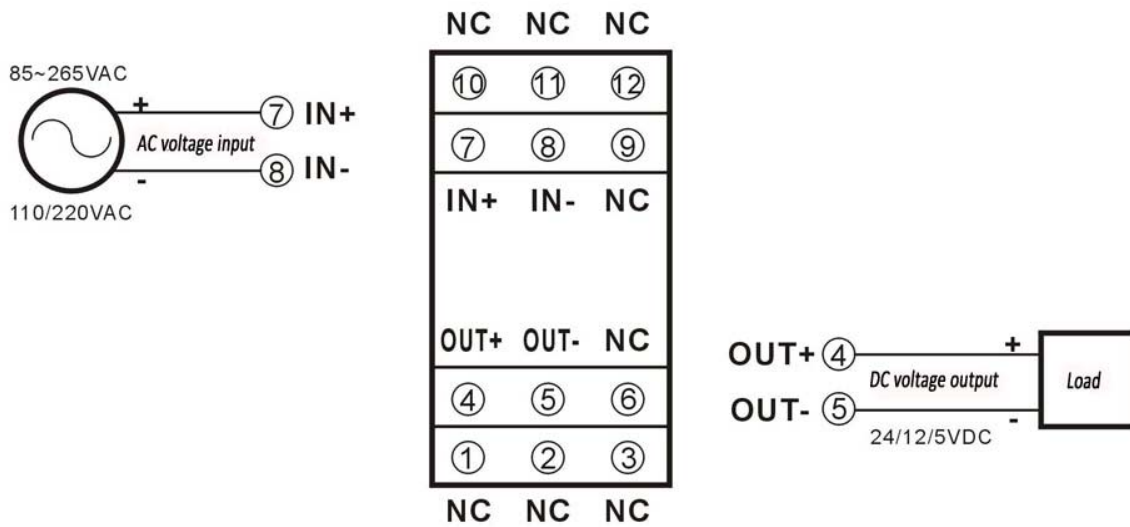
Input	Min (Vac)	Nom(Vac)	Max(Vac)	Notes
Vac Input voltage	85	220	265	W
Frequency range Hz	47		440	Hz
Standby power consumption	0.3 W(Max)			
Short-circuit power	2.0W(Max)			
Input current	0.11A (Max) @Vin=110Vac		0.07A (Max) @Vin=220Vac	
Surge current	16A (Max) @Vin=110Vac		30A (Max) @Vin=220Vac	

Output			
Voltage accuracy	±1.0%TYP, 2.0%Max;		
Line regulation	The nominal load, full voltage range		±0.2%; ±0.5%
Load regulation	20% ~ 100% Rated Load		±0.5%; ±3.0%
Minimum Load	0%Load		
Ripple and noise	20MHz BM Full load		
	Vo≤5.0V, ≤80mVp-p	Vo≥48V, ≤180mVp-p	Other≤120 mVp-p
Turn-on delay time	Standard voltage input, full load		≤1000mS
Hold time when power supply drop	Standard voltage input, full load		60ms(typ)
Output Voltage Overshoot during startup	≤10%Vo		
Dynamic output characteristics	25%-50%-25% 50%-75%-50%	overshoot(%): ≤±5%; recovery time (mS) ≤5.0mS;	
Output short circuit protection	long short circuit, automatic recovery	Output off beat	Vibration type
Output over load /current protection	>110%Po/Io	Output off beat	Vibration type

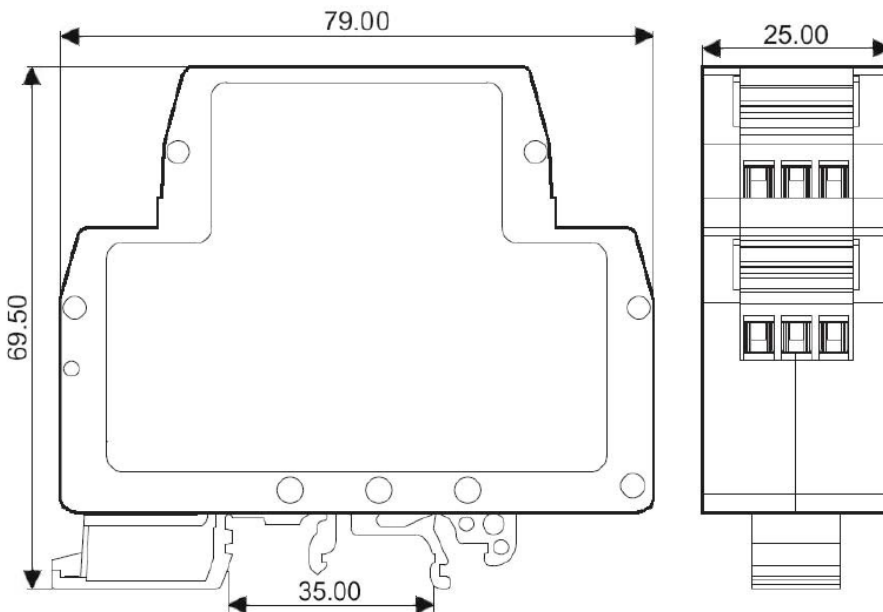
General			
Efficiency	Standard voltage input, full load	Vo≤5.0V, 76% Typ.	Vo>5.0V, 80% Typ.
Switching frequency			60KHz Typ.
Operating temperature			-25°C ~ +65°C
Temperature effect			0.02%/°C
Storage temperature			-40°C ~ +85°C
Max case temperature			+85°C
Relative humidity			10%~90%
case material			Plastic shell
Isolation Voltage	Input-output 2.500KVac ≤ 1.5mA/1min; Input- case/ Input-FG 1.5KVac ≤ 1.5mA/1min		
(MTBF)	>300,000H @25°C		

**Footprint definition:**

PIN	Name	Description	PIN	Name	Description
1	NC	NO connecting	7	IN+	AC signal input +
2	NC	NO connecting	8	IN-	AC signal input -
3	NC	NO connecting	9	NC	NO connecting
4	OUT+	Power supply +	10	NC	NO connecting
5	OUT-	Power supply -	11	NC	NO connecting
6	NC	NO connecting	12	NC	NO connecting



**Size (unit:mm)**



**Warranty**

Two years (but violate operating rules and requirements to create damage, clients need pay maintenance costs)

**Note:**

1. Before using, according to packing lists, and product labels, check the quantity, models and specifications
2. When measure the signal directly, please set the terminal tighten
3. There are no damaged insulation, conductive dust and corrosive fumes of metal in the environment
4. Installation pitch  $\geq 10\text{mm}$
5. We have adjusted well, do not adjust arbitrarily
6. Warranty: two years. But if clients damage products by themselves or tear off any labels on the product, we can not exchange
7. Products can not been used in strong magnetic field
8. Internal no anti-lightning circuit
9. Specifications subject to change without notice

**Copyright**

Copyright © 2012 **Shenzhen WAYJUN Industrial Automation**

Specifications subject to change without notice.

**Brand**

In this manual, mentioned other trademarks and copyright belongs to their respective owners.

\* Specifications subject to change without notice