



* Specifications, color and design of the products are subject to change without notice.

Specification

Requireme	ent		Description	
Power sup	ply space			
	Rated input vo	ltage *	100 to 240VAC, 50 to 60Hz	
	Permissible input voltage *		85 to 264VAC, 50 to 60Hz	
	Input current		0.4A typ (100VAC), 0.25A typ (230VAC)	
	Rated output voltage		12.0VDC	
	Rated output current		1.3A (Max)	
	Isolation	Input-Output	3000VAC 1minute 50MΩ (500VDC) (At room temperature)	
		Input-FG	2000VAC 1minute 50MΩ (500VDC) (At room temperature)	
		Output-FG	500VAC 1minute 50MΩ (500VDC) (At room temperature)	
Environme	ental specs		(· · · · · · · · · · · · · · · · · · ·	
	Temperature *		Operating : -20 to +70°C, non operating : - 20 to + 75°C	
	Humidity		Operating : 20 to 90%RH (No condensation) Non operating : 20 to 90%RH (No condensation)	
	Floating dust particles		Not to be excessive	
	Corrosive gases		None	
	Vibration resistance		10 to 55Hz/2.0G	
Constructio	on			
	Length of DC of	able (mm)	200 (not include connector)	
	External dimensions (mm)		39.0(W)x80.0(D)x79.0(H) (not include projection)	
	Weight		Main body : 305g Max.	
	Longevity		5years (temperature 400 CInput 100VAC, Output 1.17A)	
Standard			FCC Class B, UL/c-UL, TUV CE Marking (EMC Directive Class B, LVD, RoHS Directive)	

Packing List

Power Supply ...1 Product guide ... 1 Serial Number Label ...1 DC Cable ...1 Warranty Certificate ...1

List of Option

AC power cable

IPC-ACCODE3 : AC cable with 3-round-end terminal (Length: 2 meters, Rating: 7A 125V)

* Visit the Contec website regarding information on the optional products

This product is an optional Power supply unit for the CPS-MC341 series in the CONPROSYS series.* The IEEE802.3af and IEEE802.3at standards are not supported.

Physical Dimensions 80 6.6(Max.) 27.2 <u>ڪليج</u> 6.5 12.7 5 12.<u>5Ma</u> 79 7Max. 14 _11.6(Potentiometer) 2-M3 Mounting hole _11.29(LED) (230). (200) o 8888 or 39 B 8 3.5 [mm]

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External Dimensions

Derating by input voltage

Figure1. below shows derating curve by input voltage.

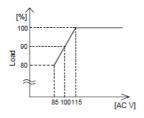


Figure 1 Input voltage derating curve

Derating by operating ambient temperature

Figure 1. and Figure 2. show the derating characteristics by operating ambient temperature. A ripple and a ripple noise specification varies in the shadow area. This unit requires checking at temperature measurement points as well.

(1) Temperature measurement points

Make sure the temperatures at point A and point B stay lower than the one listed in Table a.

Confirm even under the condition of forced air, it satisfies the temperature condition indicated in Table a.

The expected lifetime of point A and point B at maximum temperature is approximately three years. If you plan to extend the expected lifetime, see "Expected Lifetime" (Table b.) and "Warranty" (Table c.).

Mounting Method	Load factor	Max temperature [°C]	
	50% <lo≦100%< td=""><td>78</td></lo≦100%<>	78	
A, B, C	lo≦50%	85	

Table a. Temperature of Point A PLA15F

(2) Derating by operating ambient temperature

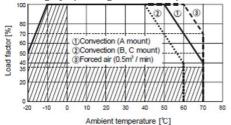


Figure 2 Ambient temperature derating curve for PLA15F

Operating ambient temperature indicates the place 5-10 cm apart from the unit side that is unaffected by the heat dissipation. Contact us for details regarding Operating ambient temperature

Mounting		Average ambient temperature	Expected lifetime [years]	
Method	Method		lo≦50%	lo≦100%
Α	Convection	Ta = 40℃	7	5
~		Ta = 50℃	5	3
D.C.	Convection	Ta = 30℃	7	5
B, C		Ta = 40℃	5	3
A, B, C	Forced air cooling	Ta = 50℃	5	5
A, D, C		Ta = 60℃	5	3

Table b. Expected lifetime

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Mounting	Cooling method	Average ambient	Warranty [years]	
Mounting		temperature	lo≦50%	lo≦100%
Α	Convection	Ta = 40℃	5	5
^		Ta = 50℃	5	3
B, C	Convection	Ta = 30℃	5	5
B, C	Convection	Ta = 40℃	5	3
ABC	Forced air cooling	Ta = 50℃	5	5
7, 8, 0		Ta = 60℃	5	3

Table c. Warranty

When mounting the power unit, do not fail to connect an input FG terminal and the unit frame (at least two places) to the ground wire.