CONPROSYS Series
24VDC AC-DC Power Supply Unit

CPS-PWD-90AW24-01

This product is an optional Power supply unit for the CPS-MCS341 series in the CONPROSYS series.

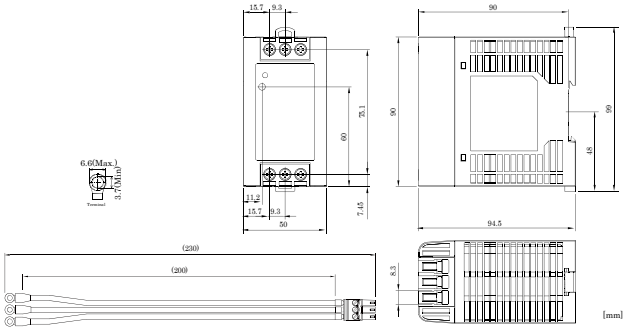
* Specifications, color and design of the products are subject to change without notice.

Specification

Requirement			Description
Power supply space			
	Rated input voltage		100 to 240VAC, 50 to 60Hz
	Permissible input voltage *		85 to 264VAC, 50 to 60Hz
	Input current		0.95A typ (115VAC), 0.55A typ (230VAC)
	Rated output voltage		24.0VDC
	Rated output current		3.8A (Max)
	Isolation	Input-Output	3000VAC 1minute 50MΩ (500VDC) (At room temperature)
		Input-PE	2000VAC 1minute 50MΩ (500VDC) (At room temperature)
		Output-PE	500VAC 1minute 50MΩ (500VDC) (At room temperature)
Environmental specs			
	Temperature *		Operating : -20 to +70°C, non operating : - 30 to + 85°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
Construction			
	Length of DC cable (mm)		200 (not include connector)
	External dimensions (mm)		50.0(W)x90.0(D)x90.0(H) (not include projection)
	Weight		Main body : 405g Max.
	Longevity		8years (temperature 45°C,Input 100VAC, Output 2.85A)
Standard			FCC Class B, UL/c-UL, TUV CE Marking (EMC Directive Class B, LVD, RoHS Directive)

* The derating is required.

Physical Dimensions



Packing List

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

List of Optional

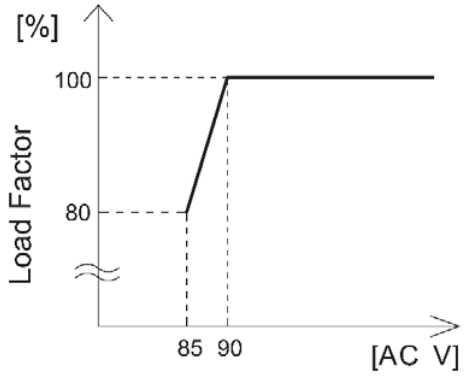
AC power cable

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

External Dimensions

Derating by input voltage

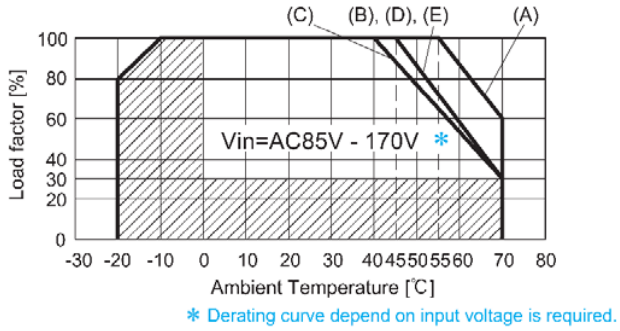


Derating by operating ambient temperature

The operative ambient temperature as different by input voltage.
Derating curve is shown below.

In the hatched area, the specification of Ripple, Ripple Noise is different from other area.

Derating Curve (Convection)



* Derating curve depend on input voltage is required.