

PMC100

PMC 100 E -1 -□

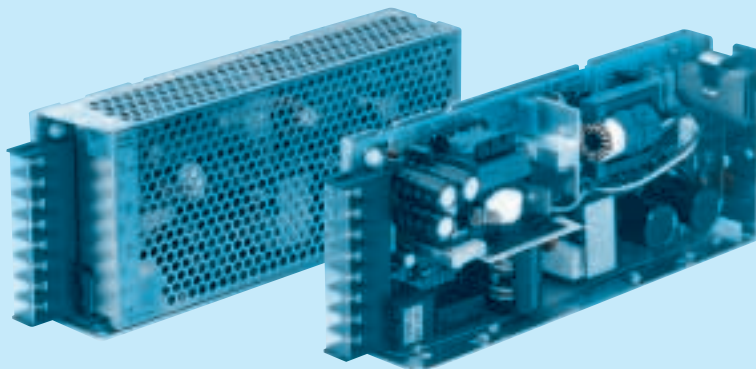
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- ① Series name
 ② Output wattage
 ③ UL recognized, TÜV approved, CSA certified
 : E
 ④ Output voltage combination
 ⑤ Optional *1
 G : Low leakage current
 J : Connector type
 N : with Cover

MODEL		PMC100E-1	PMC100E-2	PMC100E-4
DC OUTPUT	V1	+5V 13.0A	+5V 13.0A	+5V 8.0A
	V2	+12V 2.0A	+15V 1.5A	+12V 4.0A
	V3	-12V 1.0A	-15V 1.0A	-12V 1.0A

SPECIFICATIONS

	MODEL	PMC100E-1			PMC100E-2			PMC100E-4				
INPUT	VOLTAGE[V]		AC85 - 132 / 170 - 264 1 φ (User-selectable) or DC220 - 370									
	CURRENT[A]	ACIN 100V	2.4typ (Io=100%) User-selectable									
		ACIN 200V	1.4typ (Io=100%) User-selectable									
	FREQUENCY[Hz]		47 - 440									
	EFFICIENCY[%]	ACIN 100V	75typ (Io=100%)									
ACIN 100V		15typ (Io=100%)										
INRUSH CURRENT[A]	ACIN 200V	30typ (Io=100%)										
OUTPUT	VOLTAGE[V]		+5	+12	-12	+5	+15	-15	+5	+12	-12	
	CURRENT[A]		13	2	1	13	1.5	1	8	4	1	
	MINIMUM CURRENT[A]		1.5	0	0	1.5	0	0	1.5	0	0	
	LINE REGULATION[mV]		20max	48max	48max	20max	60max	60max	20max	48max	48max	
	LOAD REGULATION[mV]		40max	100max	150max	40max	120max	150max	40max	100max	150max	
	RIPPLE[mVp-p]		80max	120max	120max	80max	120max	120max	80max	120max	120max	
	RIPPLE NOISE[mVp-p]		120max	150max	150max	120max	150max	150max	120max	150max	150max	
	TEMPERATURE REGULATION[mV]		0 to +50℃	50max	120max	350max	50max	150max	350max	50max	120max	350max
	START-UP TIME[ms]		200max (ACIN 85V, Io=100%)									
	HOLD-UP TIME[ms]		10typ (ACIN 85V, Io=100%) 20typ (ACIN 100V, Io=100%)									
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed	5.00 - 5.25	Fixed	Fixed	
OUTPUT VOLTAGE SETTING[V]		——	11.4 to 12.6	-11.4 to -12.6	——	14.25 to 15.75	-14.25 to -15.75	——	11.4 to 12.6	-11.4 to -12.6		
PROTECTION CIRCUIT	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically									
	OVERVOLTAGE PROTECTION		Works at 115 - 140% of rating (+5V)									
ISOLATION	INPUT-OUTPUT		AC3.000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)									
	INPUT-FG		AC2.000V 1minute, Cutoff current = 10mA, DC500V 50MΩmin (At Room Temperature)									
	OUTPUT-FG		AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩmin (At Room Temperature)									
	OUTPUT-OUTPUT(V1-V2,V3)		AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩmin (At Room Temperature)									
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +65℃, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet)									
	STORAGE TEMP.,HUMID.AND ALTITUDE		-25 to +75℃, 20 - 95%RH (Non condensing) 9,000m (30,000feet) max									
	VIBRATION		10 - 55Hz, 19.6m/s ² (2G), 3minutes period, 30minutes each along X, Y and Z axis									
	IMPACT		196.1m/s ² (20G), 11ms, once each X, Y and Z axis									
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL60950-1, CSA1402C, EN60950-1, EN50178 Complies with IEC60950-1 and DEN-AN									
	CONDUCTED NOISE		Complies with FCC-B									

*1 Please contact us about safety approvals for the model with option.

* Series/Parallel operation with other model is not possible.

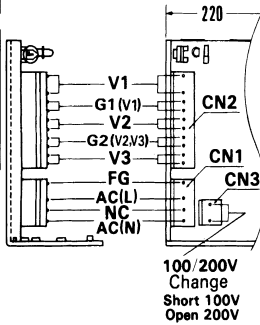
* When units are operated with chassis and cover, derating is required.

External view

(PIN CONNECTION)

PIN NO.	INPUT
1	FG
2	AC (L)
3	NC
4	AC (N)

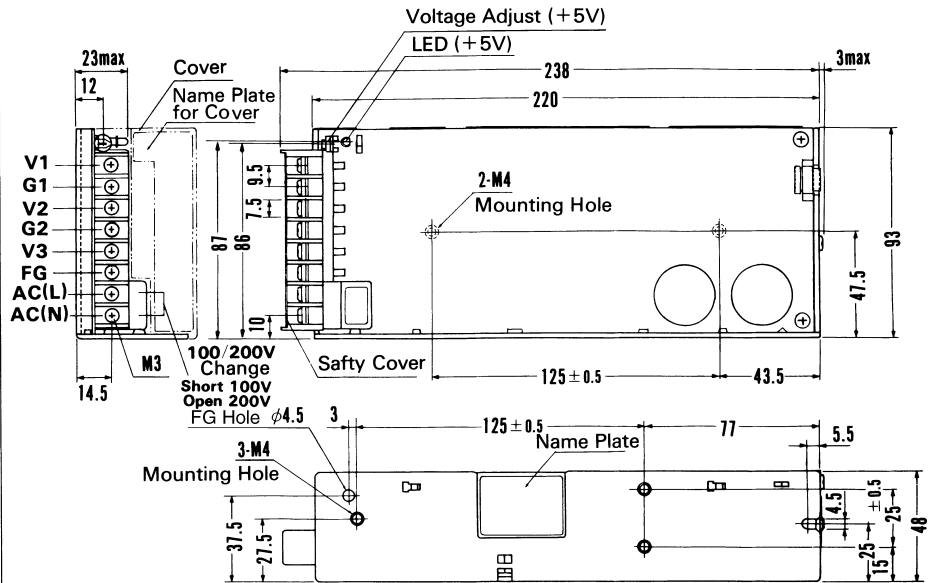
PIN NO.	OUTPUT
1	V1
2	G1
3	V2
4	G2
5	V3
6	G2
7	V3
8	G2
9	V3
10	V3



I/O Connector	Mating Connector	Terminal
CN1	10-31-1048	10-63-3044
CN2	09-65-2109	09-50-1103
CN3	10-31-1028	10-63-3024

(Mfr: Molex)

Connector type



※ V1 is isolated from V2 & V3.

※ Weight: 750g or less.

※ Cover is optional

※ Tolerance: ±1

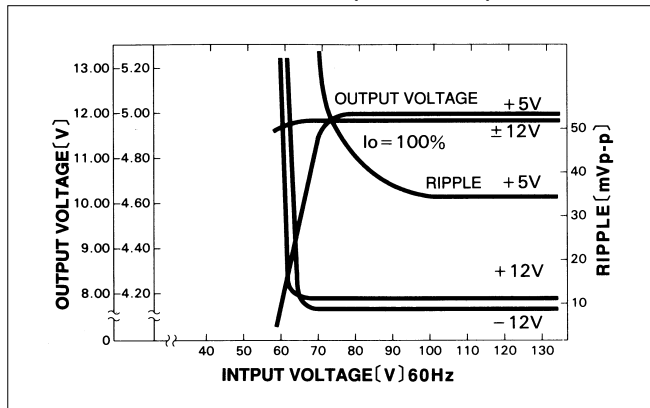
※ Dimensions in mm.

※ Mounting torque: 1.2N·m (12.8kgf·cm) max

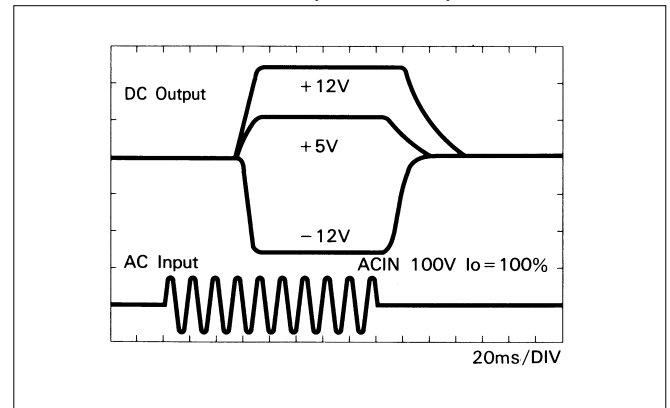
Barrier strip type

Performance data

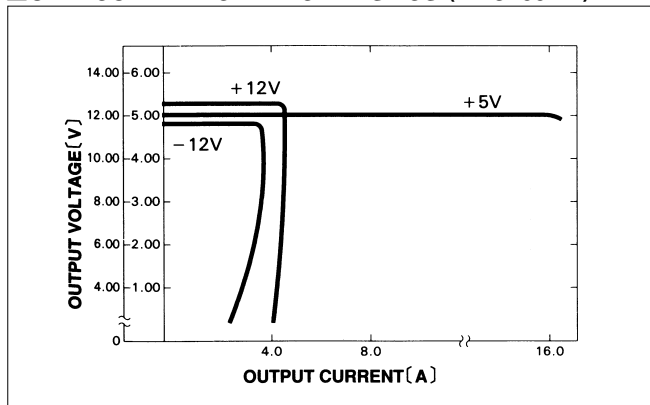
■ STATIC CHARACTERISTICS (PMC100E-1)



■ RISE TIME & FALL TIME (PMC100E-1)



■ OVERCURRENT CHARACTERISTICS (PMC100E-1)



■ DERATING CURVE

