

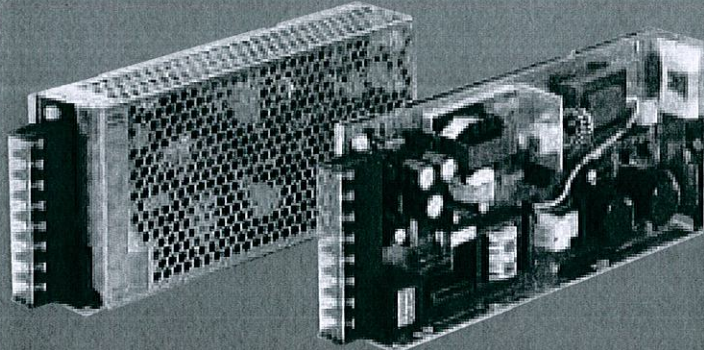
PMC75

PMC 75 E -1 -□

① ② ③ ④ ⑤



RoHS



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

PMC

MODEL	PMC75E-1	PMC75E-2	PMC75E-4
DC OUTPUT	V1	+5V 8.0A	+5V 6.0A
	V2	+12V 2.5A	+15V 1.8A
	V3	-12V 0.5A	-15V 0.5A

SPECIFICATIONS

	MODEL	PMC75E-1	PMC75E-2	PMC75E-4							
INPUT	VOLTAGE[V]	AC85 - 132 / 170 - 264 1φ (User-selectable) or DC220 - 370									
	CURRENT[A]	ACIN 100V	1.8typ (Io=100%) User-selectable								
		ACIN 200V	1.0typ (Io=100%) User-selectable								
	FREQUENCY[Hz]	47 - 440									
	EFFICIENCY[%]	ACIN 100V	75typ (Io=100%)								
	INRUSH CURRENT[A]	ACIN 100V	15typ (Io=100%)								
ACIN 200V		30typ (Io=100%)									
OUTPUT	VOLTAGE[V]	+5	+12	-12	+5	+15	-15	+5	+12	-12	
	CURRENT[A]	8	2.5	0.5	8	1.8	0.5	6	3.2	0.5	
	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°C	50max	120max	350max	50max	150max	350max	50max	120max	350max
	START-UP TIME[ms]	200max (ACIN 85V, Io=100%)			200max (ACIN 85V, Io=100%)			200max (ACIN 85V, Io=100%)			
	HOLD-UP TIME[ms]	10typ (ACIN 85V, Io=100%) 20typ (ACIN 100V, Io=100%)			10typ (ACIN 85V, Io=100%) 20typ (ACIN 100V, Io=100%)			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°C, 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max									
	STORAGE TEMP.,HUMID.AND ALTITUDE	-25 to +75°C, 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, CSA C22.2 No.60950-1, EN60950-1, EN50178 Complies with IEC60950-1 and DEN-AN									
	CONDUCTED NOISE	Complies with FCC-B									

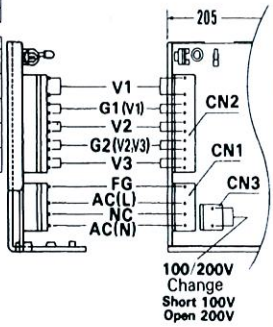
* 1 Please contact us about safety approvals for the model with option.
 * Series/Parallel operation with other model is not possible.
 * When units are operated with chassis and cover, derating is required.

External view

(PIN CONNECTION)

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

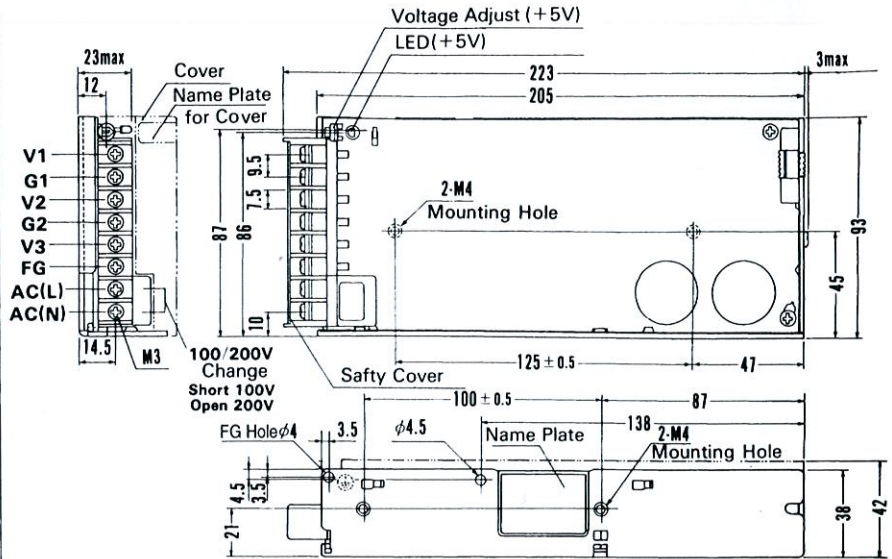
PIN NO.	OUTPUT
1	V1
2	G1
3	V2
4	G2
5	V3
6	FG
7	AC(L)
8	NC
9	AC(N)
10	



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

Chain : 08-70-1031
Loose : 08-70-1030
(Mfr : Molex)

Connector type



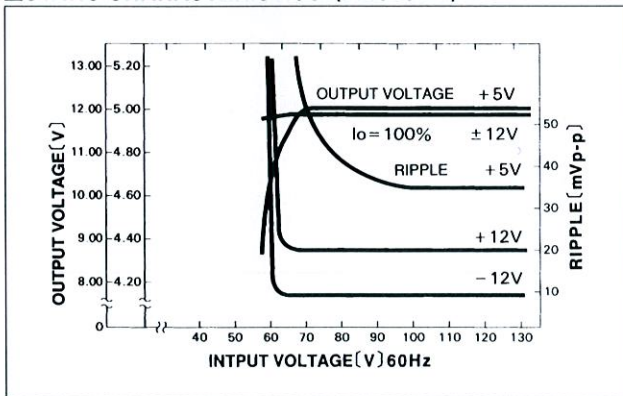
※V1 is isolated from V2 & V3.

※Weight: 600g or less. ※Cover is optional
 ※Tolerance: ±1 ※Dimensions in mm
 ※Mounting torque: 1.2N·m (12.8kgf·cm) max

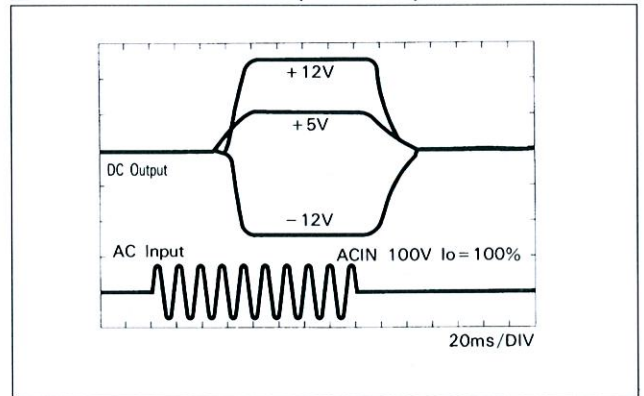
Barrier strip type

Performance data

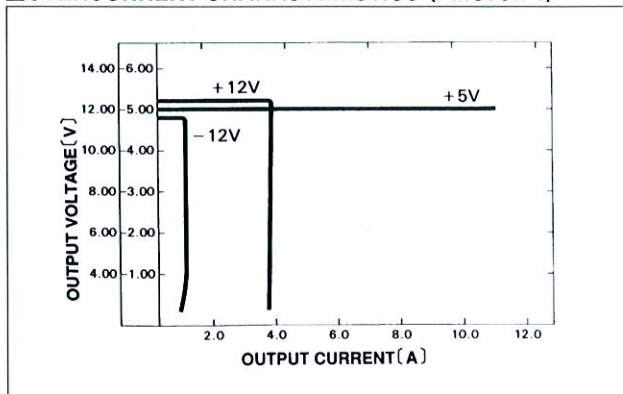
■STATIC CHARACTERISTICS (PMC75E-1)



■RISE TIME & FALL TIME (PMC75E-1)



■OVERCURRENT CHARACTERISTICS (PMC75E-1)



■DERATING CURVE

