SNDPG750

RoHS

eco

* Please note that the unit's internal components is damaged if the output is short-circuit.

MODEL	SNDPG750	
AC INPUT[V]	AC85 - 264	AC170 - 264
MAX OUTPUT WATTAGE[W] *1	500	750
DC OUTPUT VOLTAGE[V] *2	360	

SPECIFICATIONS

	MODEL		SNDPG750	
INPUT	VOLTAGE[V]		AC85 - 264 1φ	AC170 - 264 1φ
	POWER FACTOR CORRECTION RANGE[V]		AC85 - 264 1φ	
	CURRENT[A]		5.72typ (ACIN 100V)	4.24typ (ACIN 200V)
	FREQUENCY[Hz]		50/60 (47 - 63)	
	INRUSH CURRENT[A] *3	AC100V	20/20 typ (Io=100%) (Primary inrush current / Secondary inrush current) (More than 10 sec. to re-start)	
		AC200V	40/20 typ (Io=100%) (Primary inrush current / Secondary inrush current) (More than 10 sec. to re-start)	
	EFFICIENCY[%]		93typ (ACIN 100V)	96typ (ACIN 200V)
	POWER FACTOR		0.96typ (ACIN 100V)	0.93typ (ACIN 200V)
	LEAKAGE CURRENT[mA]		0.75 max (60Hz, According to IEC60950 and DEN-AN)	
OUTPUT	WATTAGE[W]		500	750
	VOLTAGE[V] *2		360	
	VOLTAGE ACCURACY *4		±2%	
PROTECTION CIRCUIT AND OTHERS	OVERVOLTAGE PROTECTION[V]		DC400 - 450V The power factor corrector function stops	
	ENA *5		Enable signal, Open-correcter output	
	OTHERS *6		Parallel operation impossible , Thermal protection	
ISOLATION	INPUT-OUTPUT, RC *9		Non isolated	
	INPUT, OUTPUT, RC-FG *9		AC2,800V 1minute Cutoff current = 10mA, DC500V, 50MΩ min (20±15℃)	
	OUTPUT-RC *9		AC100V 1minute Cutoff current = 25mA, DC100V, 10MΩ min (20±15℃)	
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE *8		-20 to +95℃ (Aluminum base plate of the power module), 20 - 95%RH (Non condensing) (Refer to DERATING CURVE) 3,000m (10,000feet) max	
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +95℃, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max	
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis	
	IMPACT		196.1m/s² (20G), 11ms, once each along X, Y and Z axis	
SAFETY	SAFETY AGENCY APPROVALS		UL60950-1, C-UL, EN60950-1, Complies with DEN-AN	
	CONDUCTED NOISE		Complies with FCC-A, VCCI-A, CISPR22-A, EN55011-A, EN55022-A	
	HARMONIC ATTENUATOR *7		Complies with IEC61000-3-2	
OTHERS	CASE SIZE/WEIGHT		125×44.5×127mm [4.92×1.75×5.0inches] (W×H×D) / 600g max	
	COOLING METHOD		Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink)	

SNDPG

*1　Refer to the instruction manual 2.
*2　When the input voltage is more than 240V, the output voltage becomes the value proportional to the input voltage.
*3　The value is primary surge. The current of input surge to a built-in noise filter (0.2ms or less) is excluded.
*4　The value included the output setting and the line regulation, the load regulation and the temperature regulation.
　　However, the input voltage is less than 240V.
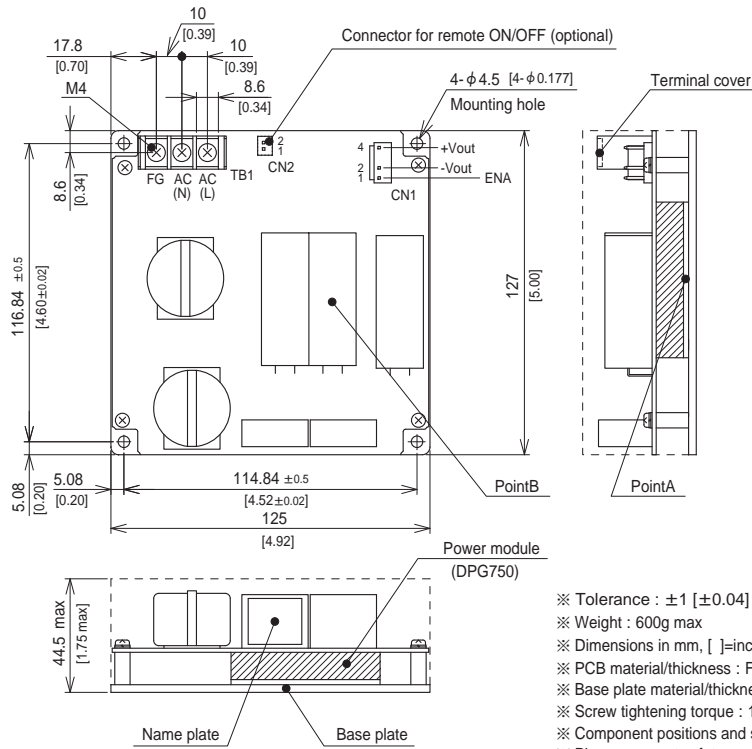
*5　Refer to the instruction manual 4.4.
*6　The thermal protection stops the power factor corrector function and the ENA signal.
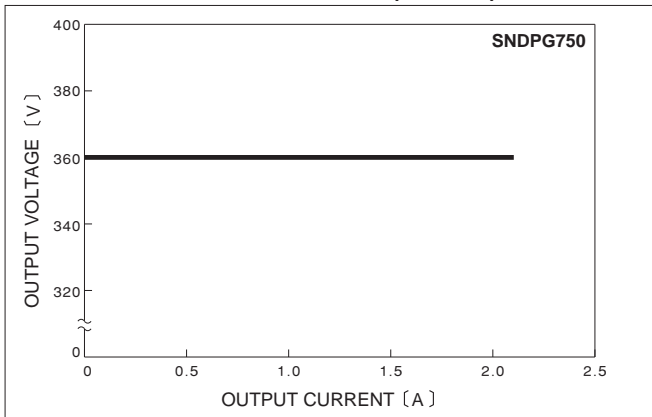*7　Please contact us about class C.
*8　Refer to the instruction manual 6.2.
*9　Applicable when remote control (optional) is added.

SNDPG750 | COSEL

External view

※ Tolerance : ±1 [±0.04]
※ Weight : 600g max
※ Dimensions in mm, [ ]=inches
※ PCB material/thickness : FR-4 / 1.6mm [0.06]
※ Base plate material/thickness : Aluminum / 3.0mm [0.12]
※ Screw tightening torque : 1.6N・m (16.9kgf・cm) max
※ Component positions and sizes are for your reference if they have no dimensions.
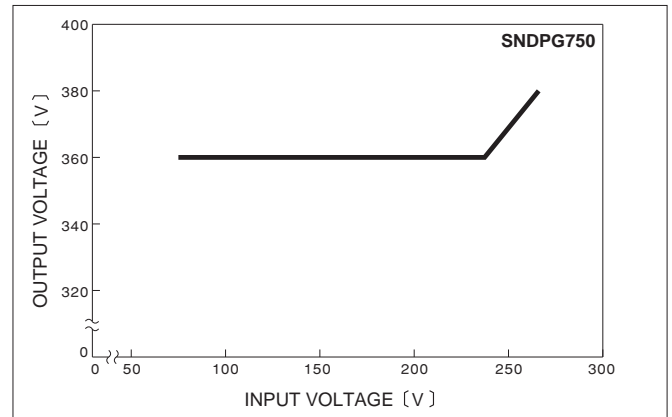※ Please connect safety ground to the base plate in φ4.5 [φ0.177] hole.
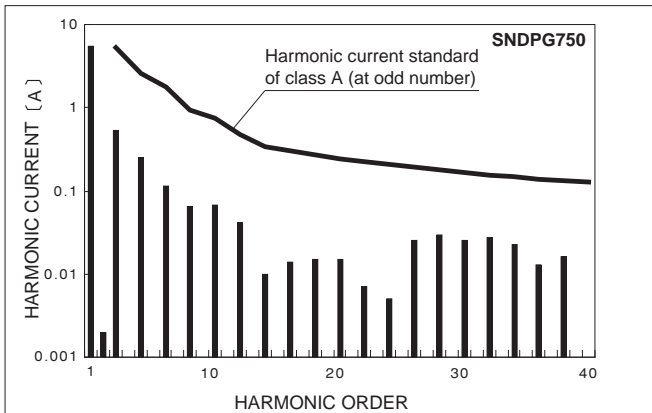
Performance data

■ STATIC CHARACTERISTICS (AC230V)

■ OUTPUT VOLTAGE FOR INPUT

■ HARMONIC CURRENT (AC100V)

■ HARMONIC CURRENT (AC230V)

SNDPG