Signals & Controls

Characteristic	Notes & Conditions
Remote Sense	Compensates for 0.5 V total voltage drop.
Inhibit	To inhibit, apply TTL high signal.
AC OK	TTL high for normal operation, low upon loss of input power, turn-on delay time 100-1000 ms, turn-off delay time 1 ms minimum.

EMC: Emissions

Phenomenon	Standard	Test Level	Notes & Conditions
Conducted	EN55011	Class B	
Radiated	EN55011	Class B	
Harmonic Current	EN61000-3-2	Class A	
Voltage Fluctuations	EN61000-3-3		

EMC: Immunity

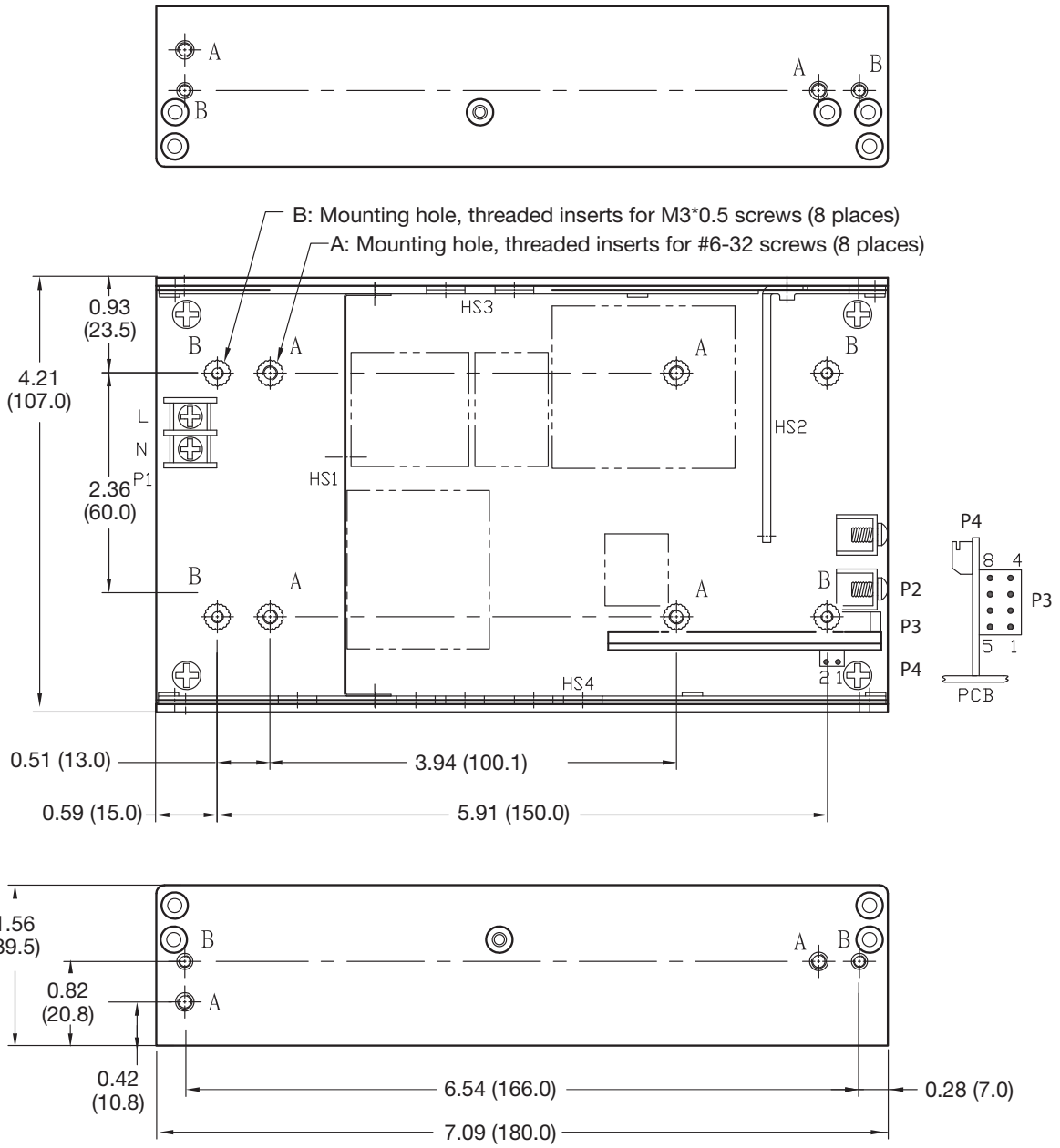
Phenomenon	Standard	Test Level	Criteria	Notes & Conditions
ESD	EN61000-4-2	4	A	±8 kV contact, ±15 kV air
Radiated	EN61000-4-3	10 V/m	A	
EFT	EN61000-4-4	±2 kV	A	
Surges	EN61000-4-5	Installation class 3	A	±1 kV differential/ ±2 kV common mode
Conducted	EN61000-4-6	10 Vrms	A	
Magnetic Field	EN61000-4-8	30 A/m	A	
Dips and Interruptions	100 VAC/50 Hz	Dip 30% (70 VAC), 500ms	A	
		Dip 60% (40 VAC), 100ms	B	
		Int >95% (0 VAC), 10ms	A	
		Int 100% (0 VAC), 20ms	A	
		Int 100% (0 VAC), 5000ms	B	
	240 VAC/50 Hz	Dip 30% (168 VAC), 500ms	A	
		Dip 60% (96 VAC), 100ms	A	
		Int >95% (0 VAC), 10ms	A	
		Int 100% (0 VAC), 20ms	A	
		Int 100% (0 VAC), 5000ms	B	

Safety Approvals

Safety Agency	Safety Standard	Notes & Conditions
CB Report	IEC60601-1	Medical
UL	ES60601-1, CSA C22.2 No.60601-1	Medical
TUV	EN60601-1	Medical

Mechanical Details

PBL500PSxxB



Input Connector - P1	
Pin 1	L
Pin 2	N

Output Connector - P2	
Pin 1	V1+
Pin 2	V1 Return

P3			
Pin 1	Common Return	Pin 5	Inhibit
Pin 2	+V1 Sense	Pin 6	+5V Standby
Pin 3	-V1 Sense	Pin 7	N/C
Pin 4	AC OK	Pin 8	N/C

Output Connector - P4	
Pin 1	Common Return
Pin 2	+V3

Notes

1. Dimensions shown in inches [mm]
2. Tolerance 0.02 [0.5] maximum
3. Input connector P1 is Dinkle terminal P/N DT-35C-B01W-03, with nickel plated M3 screws.
4. Output connector P2 is M4x0.7 screw connections.
5. Connector P3 is Molex header 87833-08 or equivalent, mating with Molex housing 51110-0850 or equivalent.
6. Fan connector P4 is JST header S2B-ZR-3.4 or equivalent, mating with JST housing ZHR-2 or equivalent.
7. Weight: 1.0 Kg (2.23 lbs.) approx. for U-bracket form, 1.14 Kgs. (2.52 lbs.) approx. for enclosed form
8. Maximum penetration of fixing screws is 4 mm from the outer surface of chassis.