

Primary Switched Power Supply 19"/3U 50W (60W)

Triple Output CPM 0801/PFS



Ordering Information

Type	Output () Power Boost	Input Voltage *	Installation Width	Article No. *1
CPM 0801/PFS with PF-signal	O1 = 5V ; 10A (12A) O2 = 12V ; 1A O3 = 12V ; 1.5A	230 Vac	8HP/3U	332-003-00

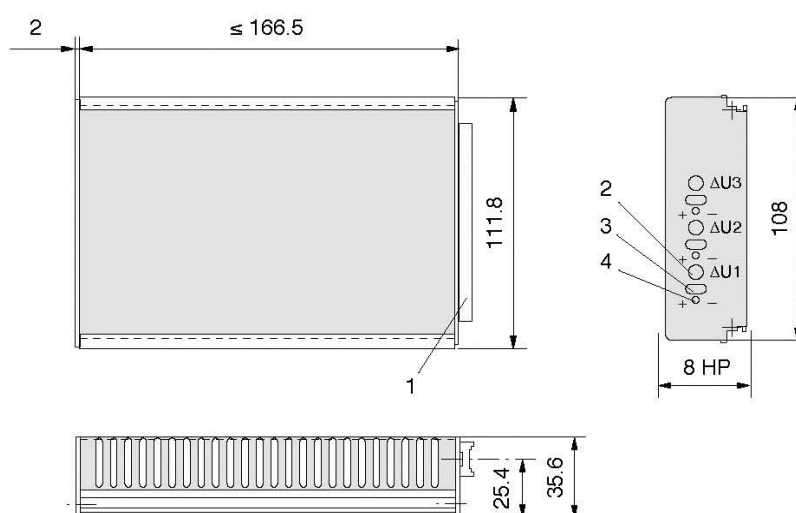
* Range alterable with jumpers

*1 Front panel black anodized

Dimensions in mm

- 1 = connector
- 2 = potentiometer
- 3 = test socket
- 4 = LED, green

1 HP = 5.08mm



Connector Pin Assignment H15

Free pins may not be connected external!

	Pin		Pin
+ Output 1	4	Live L1	28
+ Sense Lead 1	6	Neutral N	30
- Output 1	8	Earth PE	32
- Sense Lead 1	10		leading
Power Fail Collector	12		
Power Fail Emitter	14		
+ Output 2	16		
- Output 2	18		
+ Output 3	20		
- Output 3	22		
I/O External ON/OFF	24		

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Technical Data

Guaranteed values after a warm-up period of approx. 15 min. at nominal load, measured at the unit's output.

Output			O1		O2		O3		
Output Voltage			[Vdc]	5	12		12		
Adjustment Range (+)			[V]	0.5	1		1		
Output Current									
Nominal	(total power max. 50W)	[A]	10	1		1.5			
Power Boost	(total power max. 60W)	[A]	12						
Current Limiting			[A]	13	2		2		
Characteristic Curve				approx. V-I	fold back		fold back		
Type of Regulation				primary switched	linearly regulated (O2/O3)				
Efficiency			[%]	≥ 72					
Voltage Deviation for									
Load Change 0... 100% (static)			[mV]	≤ 10	(20)*	≤ 50	(100)*	≤ 50	(100)*
Mains Voltage Change Vin min-Vin max			[mV]	≤ 10	(20)*	≤ 10	(20)*	≤ 10	(20)*
Residual Ripple (100Hz)			[mVpp]	≤ 10	(20)*	≤ 10	(20)*	≤ 10	(20)*
Operating Frequency Ripple (70kHz)			[mVpp]	≤ 10	(20)*	≤ 10	(20)*	≤ 10	(20)*
Superimposed Switching Spikes			[mVpp]	≤ 50	(100)*	≤ 80	(200)*	≤ 80	(200)*
Dynamic Voltage Deviation for ΔIo = 65...100% Inom			[mV]	≤ 200	(300)*	≤ 100	(200)*	≤ 100	(200)*
Regulation Time for ΔIo = 65...100% Inom			[μs]	≤ 300	(600)*	≤ 50	(100)*	≤ 50	(100)*
Starting Delay			[ms]	≤ 100					
Overvoltage Protection Output									
Factory Setting (tol. +0.5V)			[V]	6.5	-		-		
Residual Voltage after Tripping			[V]	0					
Sense Lead Operation for O1 (load line compensation)			[V]	max. 0.25 per load line		-		-	
Overload Protection				continuous short-circuit-proof					
Temperature Coefficient			[ppm/K]	200					
Input Voltage			Nominal	[Vac]	115		230		
Operating Range (alterable with jumpers)			[Vac]	+15%/-20%		≈ 92-132		+15%/-20%	
Frequency (up to 440Hz on request)			[Hz]	50 - 60 ±10%		≈ 45-66		50 - 60 ±10%	
in the Event of Mains Failure									
at Nominal Load: Buffer Time			tBuff	[ms]	≥ 100				
Bridging Time			tB	[ms]	≥ 50				
Prewarning Time			tP	[ms]	≥ 50				
Max. Input Current (nominal range)			[A]	1.6		0.8			
Starting Inrush Current									
Unit Cold ∫ i 2 dt ; I p			[A 2 s] ; [A]	≤ 1 ; ≤ 35					
Worst Case ∫ i 2 dt ; I p			[A 2 s] ; [A]	≤ 2.5 ; ≤ 75					
Unit Fuse (primary, internal)			[A]	T 2					
Operating Temperature Range (measured 5mm from the side wall)									
Max. allowed Case-/Radiator-Temperature			[°C]	+ 85					
Storage Temperature Range			[°C]	- 40... + 85					
Weight approx.			[kg]	0.7					

For definitions, informations about electrical safety, EMC and mechanical stressability see description.

* Specifications in brackets are output data at T amb = -25°C.