

Linearly Regulated Power Supply 19"/3U 10W

Single Output CÜ 5.2



Ordering Information

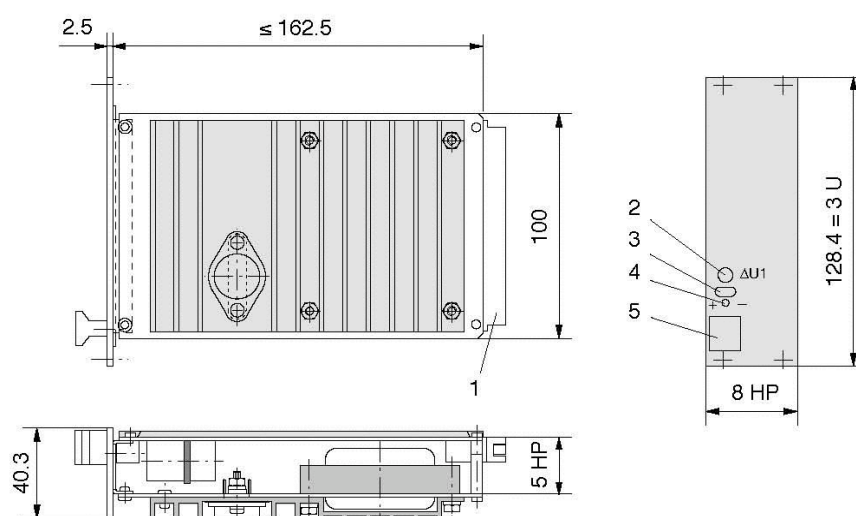
Type	Output () Power Boost	Input Voltage *	Installation Width	Article No. *1
CÜ 5.2	O1 = 5V ; 2A	230 Vac	8HP/3U	103-000-02

* Range alterable with jumpers (caution: fuse change) *1 Front panel: front side anodized, backside chromatinized

Dimensions in mm

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

1 HP = 5.08mm



Connector Pin Assignment H11

Free pins may not be connected external!

	Pin
- Output	8
+ Output	14
- Sense Lead	17
+ Sense Lead	20
Live L1	26
Neutral N	29
Earth PE	32
	leading

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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			
Output Voltage	[Vdc]	5			
Adjustment Range (±)	[V]	0.5			
Output Current					
Nominal	[A]	2			
Current Limiting	[A]	2.4			
Characteristic Curve		fold back			
Type of Regulation		linearly regulated			
Efficiency	[%]	≥ 32			
Voltage Deviation for					
Load Change 0... 100% (static)	[mV]	≤ 5			
Mains Voltage Change Vin min-Vin max	[mV]	≤ 5			
Residual Ripple (100Hz)	[mVpp]	≤ 4			
Dynamic Voltage Deviation for					
ΔIo = 10... 90% Inom	[mV]	≤ 100			
Regulation Time for					
ΔIo = 10... 90% Inom	[μs]	≤ 30			
Starting Delay	[ms]	≤ 150			
Overvoltage Protection Output					
Factory Setting (tol. +0.5V)	[V]	6.5			
Residual Voltage after Tripping	[V]	≤ 1.5			
Sense Lead Operation	[V]	max. 0.25			
(load line compensation)		per load line			
Overload Protection		continuous short-circuit-proof			
Temperature Coefficient	[ppm/K]	≤ 200			
Input Voltage	Nominal	[Vac]	115	230	
Operating Range (alterable by jumpers)		[Vac]	±10%	±10%	≈ 207-253
Frequency		[Hz]	50-400 ±10%	50-400 ±10%	≈ 45-440
Max. Input Current (nominal range)		[A]	0.3	0.15	
Starting Inrush Current					
Worst Case	$\int i^2 dt ; I_p$	[A ² s] ; [A]	≤ 0.006 ; ≤ 1.5	≤ 0.002 ; ≤ 1.5	
Unit Fuse (primary, internal)		[A]	T 0.315	T 0.16	
Operating Temperature Range					
(measured 1cm from the heat sink)		[°C]	-25 ... +70, without derating		
Storage Temperature Range		[°C]	-40 ... +85		
Weight approx.		[kg]	1		

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