Linearly Regulated Power Supply 19"/3U 30W

Single Output CUI 15.2

Vout and Iout programmable (0-10V)

Ordering Information

Type	Output ( ) Power Boost	Input Voltage *	Installation Width	Article No. *1
CUI 15.2	O1 = 0-15V ; 0-2A	230 Vac	14HP/3U	**192-003-02**

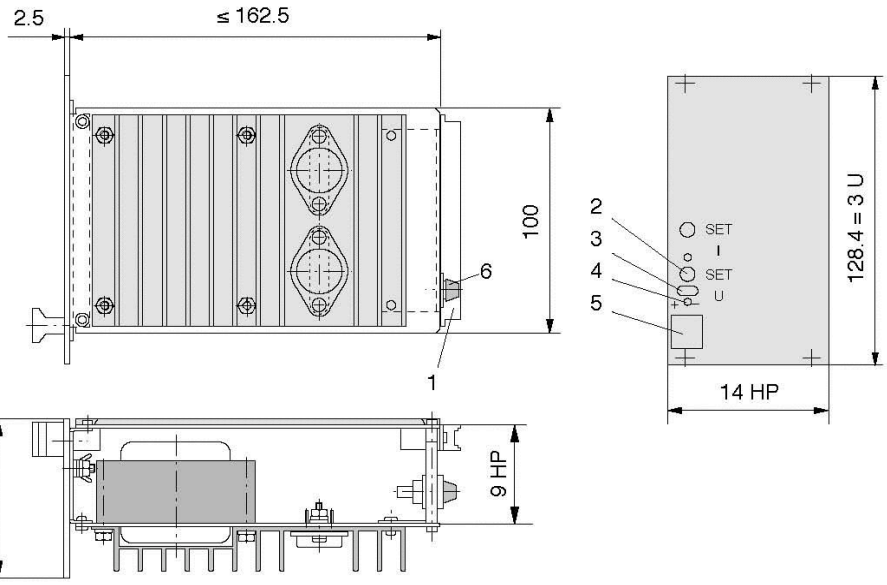
* Range alterable by soldering (caution: fuse change)

*1 Front panel: front side anodized, backside chromatized

Dimensions in mm

1 = connector
2 = potentiometer
3 = test socket
4 = LED, green
5 = grip
6 = primary fuse

1 HP = 5.08mm



Connector Pin Assignment H11

Free pins may not be connected external!

	Pin
- Iset / Iset R	2
+ Iset / Iset R	5
- Output	8
+ Vset	11
+ Output	14
- Sense Lead / Vset R	17
+ Sense Lead / -Vset	20
Vset R	23
Live L1	26
Neutral N	29
Earth PE	32
	leading

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EMC + Safety tested

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]	**0 - 15**			
Programming Voltage	V_{set}	[V]	0 - 10 (potential separation required, see description)			
Linearity Error		[%]	< 0.1			
Voltage-Change			rise at full load		fall at no load	
at Programming		[V/ms]	> 1		0.5	
Programming Resistor	V_{set} R	[kΩ/V]	1			
Output Current		[A]	0 - 2			
Programming Voltage	I_{set}	[V]	0 - 10 (potential separation required, see description)			
Linearity Error		[%]	< 0.1			
Current-Change			rise		fall	
at Programming		[A/ms]	> 1		0.5... 20	
Programming Resistor	I_{set} R	[Ω]	0... 500			
Current Limiting		[A]	2			
Characteristic Curve			V/I			
Type of Regulation			linearly regulated			
Efficiency		[%]	≥ 50			
Voltage Deviation for						
Load Change 0... 100% (static)		[mV]	≤ 0.75			
Mains Voltage Change Vin min-Vin max		[mV]	≤ 0.75			
Current Deviation for						
Load Change 0... 100% (static)		[mA]	≤ 0.5			
Mains Voltage Change Vin min-Vin max		[mA]	≤ 0.5			
Residual Ripple for Vout						
V-Regulation		[mVpp]	≤ 3			
I-Regulation		[mVpp]	≤ 75			
Dynamic Voltage Deviation for						
ΔIo = 10... 90% Inom		[mV]	≤ 250			
Regulation Time for						
ΔIo = 10... 90% Inom		[µs]	≤ 180			
Starting Delay		[ms]	≤ 100			
Sense Lead Operation		[V]	max. 0.5			
(load line compensation)			per load line			
Overload Protection			continuous short-circuit-proof; thermally disconnection			
Temperature Coefficient		[ppm/K]	≤ 200			
Input Voltage	Nominal	[Vac]	**115**		**230**	
Operating Range	(alterable by soldering)	[Vac]	±10%	≈ 104-126	±10%	≈ 207-253
Frequency		[Hz]	50-400 ±10%	≈ 45-440	50-400 ±10%	≈ 45-440
Max. Input Current (nominal range)		[A]	0.6		0.3	
Starting Inrush Current						
Worst Case	$\int i^2 dt$; I_p	[A^2 s] ; [A]	≤ 0.03 ; ≤ 6		≤ 0.01 ; ≤ 3	
Unit Fuse (primary, internal)		[A]	T 0.63		T 0.315	
Operating Temperature Range						
(measured 1cm from the heat sink)		[°C]	-25 ... +70, without derating			
Max. allowed Case-/Radiator-Temperature		[°C]	+100			
Storage Temperature Range		[°C]	-40 ... +85			
Weight approx.		[kg]	1.8			

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