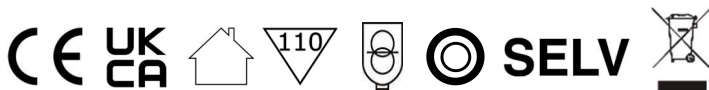


# Datasheet & Operating instructions

## Model: SS-12V12

LED power supply for 12 Vdc constant voltage  
1 A (12 W) max., IP20, Built-in installation, non-dimmable  
Flicker free according to IEEE 1789



## Electrical data

Rated input voltage	220...240 Vac	
Range of input voltage	198...264 Vac	
Rated input voltage (DC)	198...254 Vdc	
Mains Frequency	50/60 Hz	
Power factor ( $\lambda$ )	$\geq 0.85$ C	Full Load, 230 Vac
Input current	0.12 A max.	Full Load, 198 Vac
No-load loss	$\leq 0.5$ W	
Inrush current	10 A max.	
Leakage current	$< 0.7$ mA	
Output voltage	12 Vdc	
Output current	0...1 A	
Output power (nominal)	12 W max.	
Efficiency	$\geq 83$ %	Full Load, 230 Vac
Life time	$> 50,000$ h	
Dimmable	No	

## Operating condition

Operating temperature range ( $t_a$ )	-20...+45 °C	
Max. Surface temperature ( $t_c$ )	80 °C	
Permitted rel. humidity	20...90 %	
Protection class	II	
Type of protection	IP20	

## Protection

Short circuit protection	Yes *	
Overload protection	Yes *	105...150%
Overvoltage protection	Yes *	$> 12.6$ Vdc
Overheating protection	Yes *	

(\*) The output shuts off and will be resumed, after problem is removed and led driver is restarted.

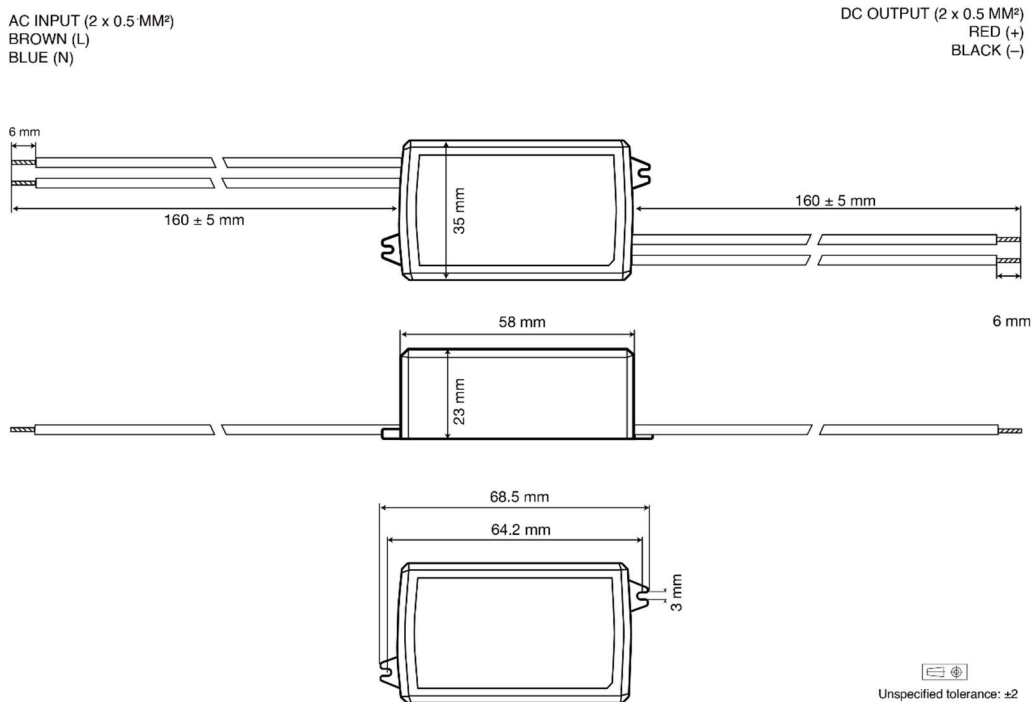
## Standards

<b>Standards</b>	EN 61347-1, EN 61347-2-13 EN 62384, EN 55015, EN 61547 EN 61000-3-2, EN 61000-3-3	
<b>Marking</b>	CE, UKCA	
<b>RoHS compliant</b>	Yes	

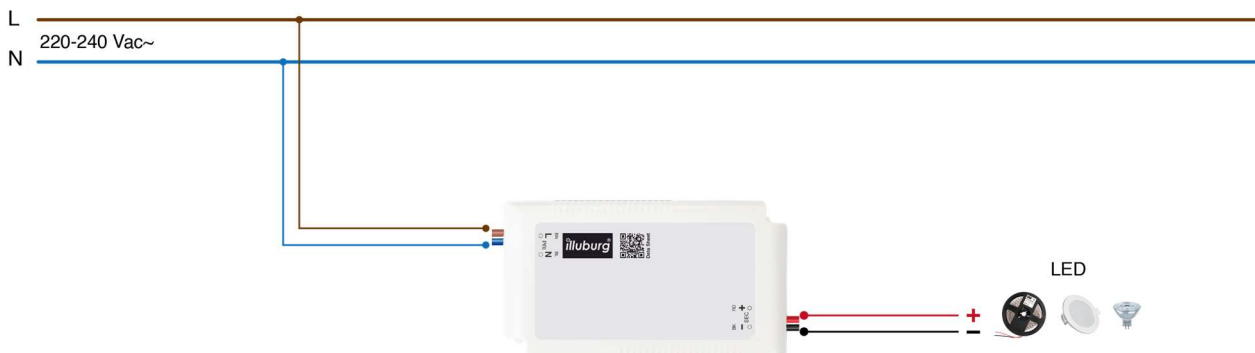
## Installation

<b>Cable length, input side</b>	160 ± 5 mm	
<b>Cable length, output side</b>	160 ± 5 mm	
<b>Cable cross-section, input side</b>	2 x 0.5 mm <sup>2</sup> (20 AWG)	
<b>Cable cross-section, output side</b>	2 x 0.5 mm <sup>2</sup> (20 AWG)	
<b>Cable preparation length, input side</b>	5...6 mm tinned	
<b>Cable preparation length, output side</b>	5...6 mm tinned	
<b>Circuit breaker (230V)</b>	10A Typ B: 66 pc. 16A Typ B: 106 pc. 20A Typ B: 133 pc.	10A Typ C: 66 pc. 16A Typ C: 106 pc. 20A Typ C: 133 pc.

## Dimension



## Connection



## Important notice

Download the safety instructions at [www.illuburg.de/infocenter](http://www.illuburg.de/infocenter), read them carefully and observe the listed instructions and information for proper use.

## Disclaimer of liability

Subject to changes and errors excepted. Make sure you are using the latest version.

## Manufacturer Information

If you have any further questions, please contact our technical support.

HuaTec GmbH  
Droopweg 31  
20537, Hamburg, Germany

Telefon: +49 40 236448800  
E-Mail: [info@illuburg.de](mailto:info@illuburg.de)  
Website: [www.illuburg.de](http://www.illuburg.de)



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