

# Datasheet & Operating instructions

## Model: CSU-20C500

LED power supply for 450/500 mA constant current  
15...42 Vdc, 6.75...21 W, IP20, Built-in installation, non-dimmable  
Flicker-free according to IEEE 1789



## Electrical data

Rated input voltage	220...240 Vac
Range of input voltage (AC)	198...264 Vac
Frequency	50/60 Hz
Power factor ( $\lambda$ )	$\geq 0.9$ Full Load, 230 Vac
Input current	0.13 A max.
Inrush current	24.2 A max.
Leakage current	< 250 $\mu$ A
Output voltage	15...42 V
Output options	450 mA, 15...42 V, 6.75...18.9 W 500 mA, 15...42 V, 7.5...21 W
Efficiency	$\geq 86$ %
Life time	> 50,000 h
Dimmable	No

## Operating condition

Operating temperature range ( $t_a$ )	-20...+60 °C
Max. Surface temperature ( $t_c$ )	90 °C
Permitted rel. humidity	10...90 %
Protection class	II
Type of protection	IP20

## Protection

Short circuit protection	Yes *
Overload protection	Yes *
No-load protection	Yes *
Overheating protection	Yes *

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

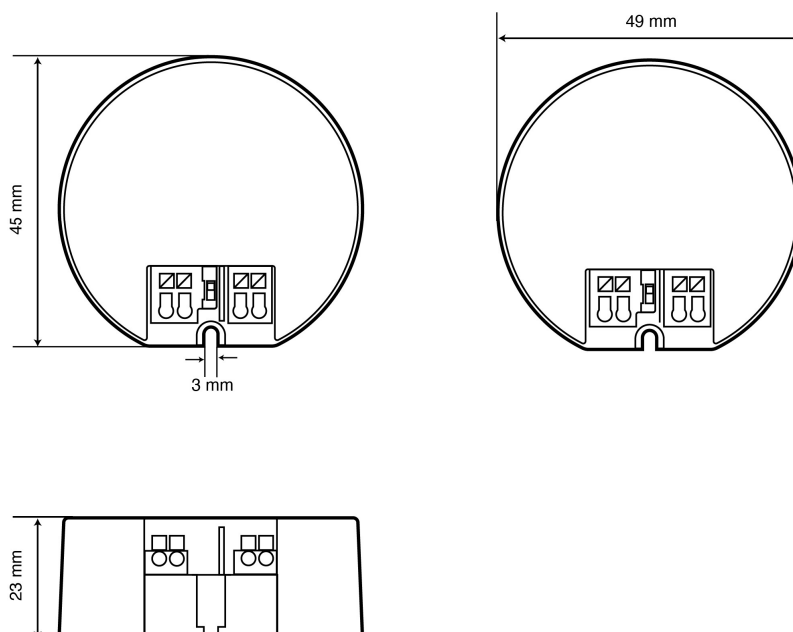
## Standards

<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

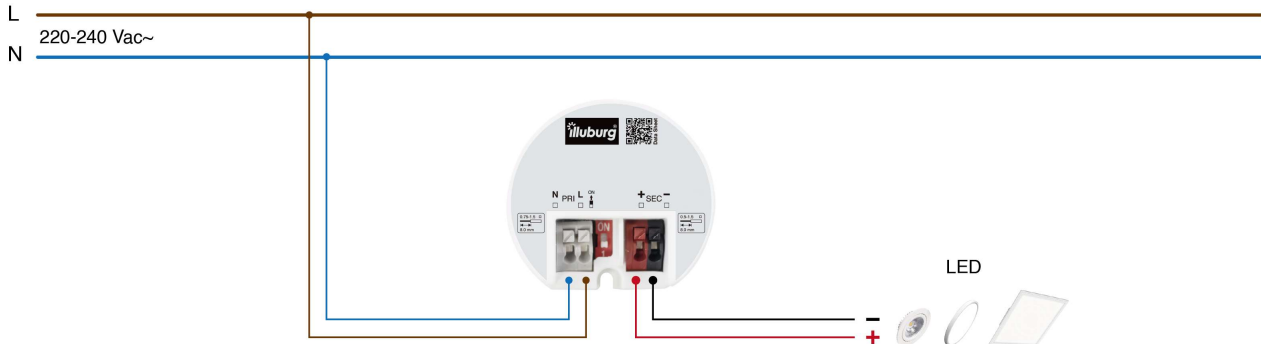
## Installation

<b>Type of installation</b>	Built-in installation	
<b>Type of connection</b>	Spring-loaded terminal	
<b>Cable cross-section, input side</b>	0.75...1.5 mm <sup>2</sup>	
<b>Cable cross-section, output side</b>	0.5...1.5 mm <sup>2</sup>	
<b>Cable preparation length, input side</b>	6...8 mm	
<b>Cable preparation length, output side</b>	6...8 mm	
<b>Circuit breaker (230V)</b>	10A Type B: 25 pc. 13A Type B: 32 pc. 16A Type B: 40 pc. 20A Type B: 50 pc. 25A Type B: 62 pc.	10A Type C: 40 pc. 13A Type C: 52 pc. 16A Type C: 63 pc. 20A Type C: 79 pc. 25A Type C: 99 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)

