

# Datasheet & Operating instructions

## Model: SS7-12V24

LED power supply for 24 Vdc constant voltage

0.5 A (12 W) max., IP67, independent installation, non-dimmable

Flicker free according to IEEE 1789



## Electrical data

|  |               |                          |
|--|---------------|--------------------------|
| <b>Rated input voltage</b>                 | 220...240 Vac |                          |
| <b>Range of input voltage</b>              | 198...264 Vac |                          |
| <b>Mains frequency</b>                     | 50/60 Hz      |                          |
| <b>Power factor (<math>\lambda</math>)</b> | $\geq 0.7$    | Full Load, 220...240 Vac |
| <b>Input current</b>                       | 0.4 A max.    | Full Load, 220...240 Vac |
| <b>No-load loss</b>                        | $\leq 0.5$ W  |                          |
| <b>Inrush current</b>                      | 80 A max.     |                          |
| <b>Leakage current</b>                     | $< 0.25$ mA   |                          |
| <b>Output voltage</b>                      | 24 Vdc        |                          |
| <b>Output current</b>                      | 0...0.5 A     |                          |
| <b>Output power (nominal)</b>              | 12 W max.     |                          |
| <b>Efficiency</b>                          | $\geq 73$ %   | Full Load ,230 Vac       |
| <b>Life time</b>                           | $> 30,000$ h  |                          |
| <b>Dimmable</b>                            | No            |                          |

## Operating condition

|   |              |
|---|--------------|
| <b>Operating temperature range (<math>t_a</math>)</b> | -20...+45 °C |
| <b>Max. Surface temperature (<math>t_c</math>)</b>    | 85 °C        |
| <b>Permitted rel. humidity</b>                        | 20...90 %    |
| <b>Protection class</b>                               | II           |
| <b>Type of protection</b>                             | IP67         |

## Protection

|                                 |       |
|---------------------------------|-------|
| <b>Short circuit protection</b> | Yes * |
| <b>Overvoltage protection</b>   | Yes * |
| <b>Overload protection</b>      | 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<br>EN 62493, EN 55015, EN 61547<br>EN 61000-3-2, EN 61000-3-3 |
| <b>Marking</b>        | CE, UKCA  |
| <b>RoHS compliant</b> | Yes   |

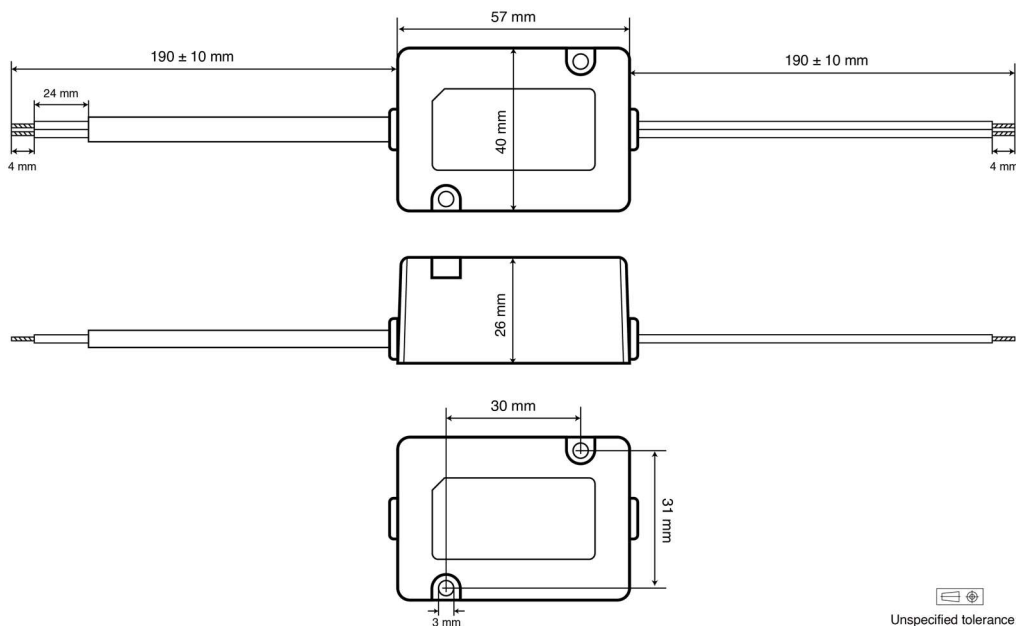
## Installation

|  |  |  |
|--|--|--|
| <b>Cable length, input side</b>              | 190 ± 10 mm                            |  |
| <b>Cable length, output side</b>             | 190 ± 10 mm                            |  |
| <b>Cable cross-section, input side</b>       | 2 x 0.75 mm <sup>2</sup>               |  |
| <b>Cable cross-section, output side</b>      | 2 x 22 AWG                             |  |
| <b>Cable preparation length, input side</b>  | 4 mm tinned                            |  |
| <b>Cable preparation length, output side</b> | 4 mm tinned                            |  |
| <b>Circuit breaker (230V)</b>                | 16A Type B: 4 pc.<br>20A Type B: 5 pc. | 16A Type C: 7 pc.<br>20A Type C: 8 pc. |

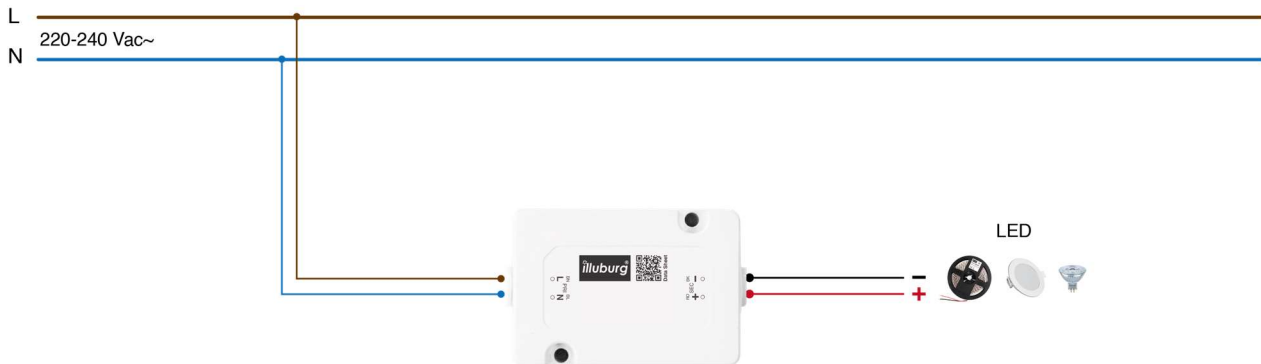
## Dimension:

AC INPUT (2 x 0.75 MM<sup>2</sup>)  
BROWN (L)  
BLUE (N)

DC OUTPUT (22 AWG)  
RED (+)  
BLACK (-)



## 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.

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